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Drinking and Driving in Ontario Statistical Yearbook

December 1988

Drinking/Driving Countermeasures Office
Ministry of the Attorney General
Toronto, Ontario



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ACKNOWLEDGEMENTS

As do many others, we believe that efforts to reduce impaired driving in Ontario (and elsewhere in Canada) require a high degree of *cooperation*, *coordination*, and *communication*. This project served as a good example. We thank the following individuals for their assistance:

For preparing and producing printer-ready text, tables, and graphics:

Alan Donelson, Gaetane Courchesne, Peter Walsh, and Wendy Di Gaspari, staff of the Traffic Injury Research Foundation of Canada (TIRF), Ottawa.

For generating and delivering data on drivers involved in traffic crashes during 1987 in Ontario:

David Duncan and **Paul Boase**, Safety Co-ordination and Development Office, Transportation Regulation Development Branch, Ministry of Transportation, Downsview.

For providing criminal justice statistics used in this report:

Holly Johnson, Senior Analyst, Law Enforcement Program, Canadian Centre for Justice Statistics, Statistics Canada, Ottawa.

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INTRODUCTION

The "three **E's**" of road safety — **E**nforcement, **E**ducation, and **E**ngineering — remain the foundation of efforts to reduce impaired driving. But to deal even more effectively with the problem of drinking and driving, we might add several"**C's**": **C**ommunication, **C**ooperation, and **C**oordination. In fact, among the aims of the Drinking/Driving Countermeasures Office are:

- o to foster communication among the many diverse agencies and groups active in this field;
- o to assist in the coordination of efforts at federal, provincial, and local levels;
- o to promote greater cooperation among organizations and individuals taking action to prevent impaired driving.

This, our second annual Statistical Yearbook on Drinking and Driving, is one way we strive to keep you informed about the problem itself: the magnitude, characteristics, and trends in impaired-driving problems.

A Brief Backward Glance

Earlier this decade, organizations like People to Reduce Impaired Driving Everywhere (PRIDE) sparked a resurgence of efforts to combat drinking and driving in Ontario. Similar groups accomplished this feat in other provinces and most of the United States. Governments responded with new, tougher laws; stricter enforcement; and stiffer penalties for offenders. Along with this traditional approach, however, came a long-term commitment and a willingness to support *community-based* initiatives.

Perhaps most remarkable is the degree to which the overall effort in Ontario has been **sustained**. After all, impaired driving is just one of many chronic problems demanding attention and a portion of limited funds to address them. Yet we as a society devote at least one month of every year (December) to preventing impaired driving. Even more encouraging, drinking/driving countermeasures

now take place in every season: enforcement "blitzes", information and awareness campaigns, educational programs, and a host of local initiatives.

One expert described the history of efforts to reduce impaired driving as "cycles of concern and complacency". Canada has been no exception. But this latest period of concern has lasted an unprecedented **five years** and shows few signs of waning. The continued strength of Ontario's response to the problem of drinking and driving allows us the luxury of reflecting on progress to date. And, fortunately, we can measure progress, not only by the diversity and intensity of actions taken, but also by the frequency and severity of impaired-driving problems.

Drinking/Driving Statistics: Pitfalls and Possibilities

As a province long active in the fight against impaired driving, Ontario has many sources of information on drinking and driving. A wealth of data offers insights into the magnitude of this problem and the characteristics of those who drive after drinking. Given the quality of data available, we can monitor impaired driving over time and thus describe trends in alcohol-related crashes. Taken as a whole, this information supports:

- o **research** for a better understanding of the problem;
- evaluation to assess the impact of programs and to guide their further development;
- strategic planning to determine where best to go from here; and
- o **policy** to inform difficult choices concerning new laws and programs (and the funds required for them!).

Emphasis on "numbers" of deaths and injuries due to impaired driving does have drawbacks. For example, we can easily lose touch with *human* dimensions of the problem: the suffering of those victimized by impaired drivers; the grief of families and friends suddenly deprived of loved ones; the sharply reduced quality of life faced by so many — including offenders. We should remember that those who are direct victims of impaired drivers have little need for statistics to appreciate the damage done by impaired driving.

At the same time, statistics on impaired driving are a "window" through which we view part of the reality of drinking and driving. Compiling data on impaired driving is like gathering military intelligence: Because no single battle will decide the "war against impaired driving", and because we wish to achieve the greatest impact possible, we have periodic need for **information**, for example, to reassess our strategies and tactics and to direct our efforts more effectively. In this way, however cold-hearted they seem, statistics on drinking and driving serve us well.

Why a "Statistical" Yearbook?

One aim of the Drinking/Driving Countermeasures Office is to provide *useful* information to people concerned about drinking and driving, particularly those active in communities across Ontario. In keeping with this aim, the main purpose of our second annual report is to give ready access to data descriptive of impaired-driving problems. Once again we focus on the drinking-driving experience in each of Ontario's counties and regional municipalities. We also include a brief review of the larger picture of drinking and driving in Ontario.

Based on discussions with community leaders, we realize that a great many people believe that "impaired driving is **not** a problem **here**". This belief leads to apathy and erodes community support for local initiatives. A quick look through Appendix B, *Drinking and Driving in Ontario's Counties and Regional Municipalities*, should convince even the most skeptical that **no** community in Ontario is free of impaired driving — and **no** jurisdiction has yet solved the drinking/driving problem!

At the same time, we recognize a risk in publishing these statistics: Numbers of drinking drivers involved in traffic crashes may seem "insignificant" in some areas, especially in counties with lesser populations. We have to guard against the complacency induced by "small" numbers. Those "few" injury crashes caused by impaired drivers in a community can do irreparable harm to many residents: to the victims **and** to their families, friends, and employers. Of course, when we add up the toll of deaths, injuries, and property damage for Ontario as a whole, the problem of drinking and driving appears as it is — a very large, *intolerable* burden of loss and waste.

Thankfully, in many communities, crashes caused by impaired drivers are rare events. At a provincial level, impaired driving is definitely a **problem**; for most of us as individuals, the problem is more a "statistical nightmare" than a personal or local reality. In this context, we often hear the statement that "if only one life is saved, then any and all efforts will be worthwhile". But, when many perceive the problem as small (or even nonexistent), it is hard indeed to persuade people to invest the time and energy required to prevent impaired driving.

We who are concerned must fully appreciate that these "rare events" occur all too often and, inevitably, involve people who thought "it can't happen to me". As we reported in last year's Statistical Yearbook, on average, one in five drivers using Ontario's roads on weekend nights will have consumed alcohol. Based on the same roadside survey, one of sixteen drivers will be driving while impaired. Although some statistics on drinking and driving seem to "play down" actual risk, careful use of *all* information on impaired-driving problems will help us convince others that impaired driving is *everyone's* problem.

The Problem Begins, and Ends, With Actions By Individuals

The problem of drinking and driving begins with individuals who choose not to separate drinking from driving (or driving from drinking). We use the word *choose* advisedly. For example, the demonstrable success of campaigns during year-end holiday seasons suggests that many drinking drivers are well aware that they risk arrest, if not death and injury. Reductions in impaired-driver fatalities alone show that, literally, **millions of impaired-driving trips were not taken during those winter months!**

The problem of impaired driving begins with individuals — and we as individuals hold the key to its many solutions. To complement measures to deter people from driving while impaired, we ourselves can take action — alone or with others. By not driving after drinking any alcoholic beverage; by ensuring that no guest drives home after drinking at parties; by participating in efforts to increase awareness of drinking-driving problems in our own communities, we make a difference.

Scope of This Report

Again this year, the Statistical Yearbook contains evidence that we have *already* made a difference. In general, downward trends in the magnitude of the problem continue. Nevertheless, some statistics we report fall into the category of "good news, bad news" and are **not** cause for celebration. For example, the *percentage* of drinking-drivers involved in crashes may have decreased, but the *magnitude* of the alcohol-crash problem may have increased during 1987.

Although this report's *raison d'etre* is, very simply, to publish statistics on drinking and driving, we have expanded the section devoted to **analysis** of these data. Given years of sustained action against impaired driving in Ontario, we think it timely, if only in passing, to assess the extent of progress to date. Our intent is to shed some light on — and to minimize the confusion of — pages filled with numbers. Even more importantly, though, we want to document what many of us already know: **Together, we have made progress in reducing impaired driving throughout Ontario** — and we still have much to do before we claim final victory in the "war against impaired driving".



DRINKING AND DRIVING, ONTARIO 1987 HIGHLIGHTS FROM THE STATISTICAL YEARBOOK

Alcohol Use Among Drivers Involved in Traffic Crashes

- *** During 1987, police reported that **18,737 drinking drivers** were involved in traffic crashes. Of these drinking drivers, 11,089 (59%) were reported to have been drinking; 7,648 (41%) were judged by police to have their ability to drive impaired by alcohol.
- *** Of 7,648 crash-involved drivers judged **impaired** by alcohol, 287 (4%) were involved in fatal crashes; 4,076 (53%) in injury crashes; and 3,285 (43%) in property-damage crashes.
- *** The more serious a traffic crash, the more likely a drinking driver was involved. In 1987, about 4% of drivers involved in *property-damage* crashes and 7% of drivers involved in *injury* crashes were reported to have consumed alcohol; one in four (26%) drivers involved in *fatal* crashes had been drinking or was impaired.
- *** Among drivers *fatally injured* in traffic crashes and tested for alcohol, 40% (244/606) had a blood alcohol concentration (BAC) over 80 mg%, the limit specified in the Criminal Code of Canada. In fact, 84% (244/289) of *drinking* drivers killed in traffic crashes had illegal BACs.
- *** Fatally injured drivers of automobiles were less likely to have BACs over 80 mg% than operators of trucks and vans or motorcycles. In 1987, 37% (139/377) of automobile driver fatalities had illegal BACs compared to 44% (43/98) of operators of trucks or vans and 56% (38/68) of motorcyclists. None of eight tractor-trailer driver fatalities tested for alcohol had been drinking.

Characteristics of Drivers in Traffic Crashes: Gender and Age

As in previous years, most crash-involved drinking drivers were **male** and **young**.

- *** Of 18,737 drinking drivers in crashes of any severity, 16,586 (89%) were male.
- *** The percentage of male impaired drivers in **injury** crashes was 90% (3680/4076).
- *** Of 287 impaired drivers involved in **fatal** crashes, 259 (90%) were male.
- *** When crash-involved drinking drivers are grouped by age, we find that **25-34 year-olds** accounted for the largest percentage of drivers judged **impaired** by alcohol: 36% (2772/7648) in 1987. They were followed by 16-24 year-olds (31%, 2226/7648) and 35-44 year-olds (18%, 1380/7648.).
- *** Among drivers reported by police as *had been drinking*, **16-24 year-olds** were most numerous: 42% (4607/11089). Next were 25-34 year-olds (34%, 3726/11089) and 35-44 year-olds (14%, 1504/11089).
- *** Compared to numbers of persons *licensed to drive*, **16-24** and **25-34** year-olds were **overrepresented** among crash-involved drinking drivers. For example, the percentage of 16-24 year-olds among crash-involved drinking drivers (37%) was **more than twice** their percentage in the licensed population (16%).

Hour, Day, and Month of Crashes Involving Drinking Drivers

Drinking drivers crash at all hours, any day of the week, every month of the year — but more often during some times than others.

*** In 1987, 70% (5933/8339) of drinking drivers were involved in crashes in a nine-hour period: between the hours of 6 p.m. and 3 a.m.

- *** Over 60% of drinking drivers reported by police had traffic crashes on Friday, Saturday, or Sunday.
- *** Numbers of crash-involved drinking drivers are usually greater in summer months than in winter months. Of interest, seasonal differences did not seem so pronounced in 1987. In 1987, police reported 2,192 drinking or impaired drivers during June, July, and August, 1,910 in January, February, and December. The number of drinking drivers involved in crashes averaged 752 per month for seven months, from May through November. Monthly numbers of crash-involved drinking drivers ranged from 692 in June to 831 in October!

Ontario Counties and Regional Municipalities

- *** Not surprisingly, the greater the population of a county or regional municipality, the greater the number of drivers involved in traffic crashes. Thus, **numbers** of normal and drinking drivers involved in crashes **increase** with increasing population. During 1987, the number of drinking drivers in crashes ranged from 48 (Manitoulin) to 3,985 (Metropolitan Toronto and York Region combined).
- *** In general, **percentages** of drivers reported by police to have consumed alcohol (*had been drinking*, *ability impaired*) **decrease** with increasing population. For example, the regional municipality of Ottawa-Carleton had the second largest population (618,000) and the lowest percentage of drinking drivers among crash-involved drivers (3.7%). The county of Manitoulin had the smallest population (10,400) and the highest percentage of crash-involved drinking drivers (16.6%).
- *** During 1987 in Ontario, the average number of crash-involved *drinking* drivers per 1,000 population was **2.0**. Rates varied by county and regional municipality, ranging from 1.5 drinking drivers per 1,000 population in Ottawa-Carleton to 5.0 drinking drivers per 1,000 population in Haliburton.
- *** For comparison, during 1987 in Ontario, the average number of crash-involved *normal* drivers per 1,000 population was **34.2**. Rates of crash-involved drivers reported as normal also varied by jurisdiction. Rates ranged from 18.6

normal drivers per 1,000 population in Prince Edward to 39.5 normal drivers per 1,000 population in Metropolitan Toronto and York Region.

Trends in Drinking and Driving

- *** Since 1980 in Ontario, the annual number of crash-involved drinking drivers has dropped substantially. In 1980, police reported 30,101 drivers as *had been drinking* or *impaired*. Police reported **38% fewer** drinking drivers in 1987 (18,737). In contrast, the number of crash-involved drivers reported as normal **increased 12%**: from 283,005 in 1980 to 317,323 in 1987.
- *** From 1980 to 1987, the population of Ontario grew by 8% (from 8.57 to 9.27 million) and the number of people licensed to drive in Ontario increased 20% (from 4.99 to 5.98 million). **Despite these increases, numbers of crash-involved drinking drivers decreased.** As a result, *rates* of crash-involved drinking drivers *per 1,000 population* and *per 1,000 licensed drivers* fell by **42**% and **46**%, respectively.
- *** Among crash-involved drivers reported by police as *normal*, *had been drinking*, or *impaired*, the percentage of drinking or impaired drivers has dropped steadily, from **9.6% in 1980** to an eight-year low of **5.6% in 1987**.
- *** Only persons *fatally injured* in traffic crashes are *routinely* tested for alcohol use. Among those most frequently tested are automobile drivers who are 16 years of age or older and who die within 6 hours of crash involvement. From 1973 through 1982 in Ontario, yearly numbers of drivers in this group went from 604 to 384, a decrease of 36%. Remarkably, the percentage of these drivers with BACs over 80 mg% changed little during these ten years, ranging only from 43.5% (in 1977) to 51.6% (in 1979). *From 1983 through 1986, however, the percentage of drivers with illegal BACs also had a consistent but <u>lower range from 39.0% to 41.1%</u>. In 1987, the percentage of automobile driver fatalities with BACs over 80 mg% dropped even further, to 36.6% the lowest figure reported since these data became available in Ontario.*

STATISTICS ON DRINKING AND DRIVING: 1987 IN REVIEW

For any given year, most statistics on drinking and driving become available eight to twelve months later. This "delay" is the time it takes thousands of people not only to prepare and compile **several hundred thousand** reports on traffic crashes, but also to code, computerize, and process data on persons and vehicles involved. And traffic-crash statistics comprise only *some* of the information on drinking and driving generated through the year. For example, there are criminal justice statistics — the number of people charged, convicted, and punished for impaired-driving offences — and reports by coroners on alcohol use among persons fatally injured in traffic crashes. In fact, collecting and summarizing a reasonably complete set of statistics on drinking and driving is a major undertaking.

Sources of Statistics

In putting together this report, we obtained statistics from a number of sources. Again this year, we received detailed data on drivers involved in traffic crashes from Ontario's Ministry of Transportation. These data come from Motor Vehicle Accident Reports completed by investigating police officers. Because we focus mainly on **drinking drivers** involved in traffic crashes, these statistics complement those published each year by the Ministry of Transportation (see the Ontario Road Safety Annual Report, available from the Safety Co-ordination and Development Office of the Ministry).

This year we also present statistics from the Fatality Database developed and maintained by the Traffic Injury Research Foundation of Canada (TIRF). Based on reports by coroners, the Fatality Database contains information on the presence and amount of alcohol consumed by persons fatally injured in traffic crashes. In addition, we summarize data recently published by the Canadian Centre for Justice Statistics (CCJS). These data include the number of persons charged with impaired-driving offences in Ontario and selected cities. (Interested readers can obtain more detailed information from each these

sources, TIRF and the CCJS — see the list of references at the end of this report.)

Finally, we used comparable data from past years to describe **trends** in drinking and driving. Our first Statistical Yearbook provided a starting point for this task. Data on driver fatalities in Ontario from 1973 through 1987 came from TIRF's Fatality Database; detailed information on persons charged with impaired-driving offences in Ontario was provided by the Canadian Centre for Justice Statistics.

Drinking/Driving Statistics: Definitions

Those not familiar with drinking/driving statistics might appreciate the following, which describes data included in this report.

Drivers Involved in Traffic Crashes. We present data on the number (and percentage) of **drivers** involved in traffic crashes reported by police. Drivers, not crashes, are "units of analysis". We group drivers by their *condition* as reported by investigating police officers and by the *severity* of the crash in which they were involved.

We summarize data on drivers reported as having one of three conditions:

- o **Normal** (NOR): Driver's condition was normal; in the opinion of the investigating officer, the driver had not been drinking.
- o **Had Been Drinking** (HBD): Driver had consumed alcohol but, in the opinion of the officer, did not have a blood alcohol concentration (BAC) over the legal limit, nor was the driver otherwise impaired by alcohol.
- o **Ability to Drive Impaired by Alcohol** (IMP): Driver had a BAC over the legal limit (80 mg%) or was judged impaired by alcohol by the investigating officer.

In addition, we combined drivers in the second and third groups above in a category termed **Drinking Drivers** (D/D). Unless we state otherwise, the term *drinking drivers* means all crash-involved drivers reported to have consumed alcohol, that is, to have a positive BAC. Because we are concerned with drinking drivers, and because numbers of drivers reported by police to have other conditions are relatively small (for example, impaired by other drugs, fatigue, medical conditions, condition unknown), we have not included groups of drivers other than those defined above.

Our definitions of traffic crashes correspond to those used by the police and the Ministry of Transportation.

- o **Property Damage**: Crashes result in damage to property but no reported injury to persons involved. Crashes causing \$700 or more damage are, by law "reportable" by police.
- o **Personal Injury**: Crashes result in injury to one or more persons involved, but no person *died* of injuries sustained in the crash within thirty days. Of course, personal injury crashes usually cause damage to property, too.
- o **Fatal**: One or more persons involved in a crash died within thirty days of injuries sustained. Nonfatal injuries to others as well as property damage may also occur.

Drivers Fatally Injured in Traffic Crashes. In Ontario, most drivers killed in traffic crashes are tested for alcohol. Especially for drivers dying within a few hours of crash involvement, tests for alcohol are routine. In this report, we include data on alcohol use among drivers of *highway vehicles* (for example, operators of farm tractors, snowmobiles, and bicycles are excluded); who were *16 years of age or older*, and who died within *six hours* of crash involvement. In some tables and charts, we group drivers by the type of vehicle operated (for example, automobile, truck or van, motorcycle).

Persons Charged with Impaired-driving Offences. As reported by the Canadian Centre for Justice Statistics, "persons charged" do not represent an "unduplicated count" of *individuals* charged in a year. Thus, a person charged

on more than one occasion will be counted more than once. **Rates** of persons charged are the *number of persons charged per 100,000 population* in a jurisdiction. "Impaired-driving offences" include *driving while impaired*, *over 80 mg%*, and *failing or refusing to provide a breath sample* for 1974 - 1985; and, for 1986 and 1987, *impaired operation of a motor vehicle, vessel, or aircraft* (that is, causing death, causing bodily harm, impaired operation, or over 80 mg%) and *failing or refusing to provide a breath or blood sample*.

Measuring the Magnitude of the Problem Over Time. However much data on drinking and driving there appear to be, information on the true magnitude of the problem over time is limited. For example, the annual number of traffic crashes caused by impaired drivers is unknown. We can but *estimate* the number of traffic crashes involving drinking drivers, if only because police may not know of — and therefore cannot investigate — many (minor) crashes. Nevertheless, we have sufficient data to describe apparent trends in drinking and driving. In this report, for example, we use such common "indicators" as (1) the number and percentage of drinking drivers involved in traffic crashes; (2) the number and percentage of driver fatalities with BACs over 80 mg%; and (3) rates of crashinvolved drinking drivers per 1,000 population and per 1,000 licensed drivers.

In addition, we introduce two other measures (or "indexes") of the problem over time: (1) the ratio of crash-involved *drinking* drivers to crash-involved "normal" drivers and, when data on blood alcohol concentration are available, (2) the ratio of driver fatalities with BACs over 80 mg% to nondrinking driver fatalities ("zero BAC"). Our rationale for using these measures is as follows. Rates of traffic crashes are influenced by many factors, including weather conditions, seasonal patterns of driving (and drinking and driving), even the state of Ontario's economy. We examine trends in traffic crashes involving drinking drivers to find out whether the problem is increasing, staying the same, or decreasing — *and to assess whether efforts to reduce the problem have been effective.* If we simply counted the number of drinking drivers involved in traffic crashes each year, we would certainly know if the magnitude of the problem changed over time. But we would have little information about **why** the problem increased or decreased. For example, if the number of crash-involved drinking drivers *increased* from one year to another, was it because drinking/driving countermeasures were less

effective, or was it because **other** conditions and factors caused traffic-crash rates to increase in general?

Both the consumption of alcoholic beverages and the operation of motor vehicles are common, widespread behaviours and, as we know, all too frequently combined. As a consequence, *conditions and factors that influence patterns of driving can also influence patterns of drinking and driving*— independent of, and in spite of, drinking/driving countermeasures! Based on drinking/driving statistics over the past 15 years, we have good reason to believe that, in the absence of efforts to reduce impaired driving, the number and percentage of crash-involved *drinking* drivers will vary much like the number and percentage of *normal* drivers. That is, there is a consistent (if not constant) **ratio** of drinking drivers to normal drivers over time.

This ratio can and does change, however. For example, the number of impaired-driver fatalities dropped greatly during recent year-end holiday seasons — but the number of nondrinking driver fatalities remained about the same. As readers will see, the ratio of impaired to nondrinking driver fatalities proves to be a sensitive measure of the impact of drinking/driving countermeasures during these periods. Similarly, as Ontario's economy strengthened in recent years, traffic-crash rates began to climb. But numbers of normal drivers involved in traffic crashes have increased much more than numbers of crash-involved drinking drivers have. In fact, the ratio of drinking drivers to normal drivers involved in crashes has dropped slowly but surely for some years now. This may well be evidence that, in general, drinking/driving countermeasures "blunted" effects of the economic changes on drinking/driving behaviour.

As with any measure based on a ratio of two numbers, changes in these indexes may stem from increased or decreased numbers of either group of crash-involved drivers — drinking drivers and normal drivers. To assist readers' interpretation, we include data on *numbers* of drivers used to calculate the ratio. For example, throughout Appendix B, which presents drinking/driving statistics for Ontario counties and regional municipalities, charts include both kinds of statistics for greater ease of comparison.

Drinking and Driving in Ontario: 1987

In the following sections, we use drinking/driving statistics described above to review the magnitude and characteristics of the problem in Ontario during 1987; differences among counties and regional municipalities; and trends in drinking and driving. In the hope that pictures are indeed worth a thousand words apiece, we have relied more on charts and graphs than on text to convey this information. We do discuss, briefly, interesting or unexpected findings.

Magnitude of the Problem and Characteristics of Crash-Involved Drivers

Figure 1 shows the number and percentage of three groups of drivers involved in traffic crashes in Ontario during 1987: drivers reported as normal, had been drinking (HBD), and ability impaired by alcohol. About 5.6% of all crash-involved drivers (18,737) were reported to have consumed alcohol.

As shown in Figure 2, a greater percentage of drivers become involved in fatal and injury crashes during summer months than during winter months. Seasonal differences seem more pronounced for drinking drivers. Of interest, greatest differences occurred during January and December, which may reflect the impact of drinking/driving countermeasures.

Figure 3 groups normal and drinking drivers by hour of crash. In 1987, over half the drivers reported by police as normal crashed during afternoon hours. In stark contrast, over half the drivers reported to have consumed alcohol crashed between 9 p.m. and 3 a.m.

Figure 4 groups *only drinking drivers* by day of week and severity of crash. About the same percentage of property damage, injury, and fatal crashes occur throughout the week. The greatest percentage of crashes of any severity occur on Saturday (early a.m. and late p.m.).

As we mentioned in Section 2, most crash-involved drinking drivers are **young** and **male**. Figure 5 shows the percentage of each age group in the group of drivers judged impaired by police officers in 1987 (7,648 in all). If, as is usual, we define *young drivers* as those 16 to 24 years old, then young drivers comprised the second largest group of crash-involved impaired drivers (about 31%, 2,226). The largest group, 25-34 year olds, accounted for 36% (2,772) of the total number of impaired drivers.

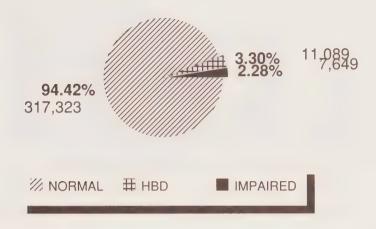
Figures 6 (for male drivers) and 7 (for female drivers) present information on the "representation" of different age groups in licensed-driver and crash-involved populations. The vertical axis indicates the percentage of each population that an age group represented in 1987. Figure 6 shows that male drivers 19-24 and

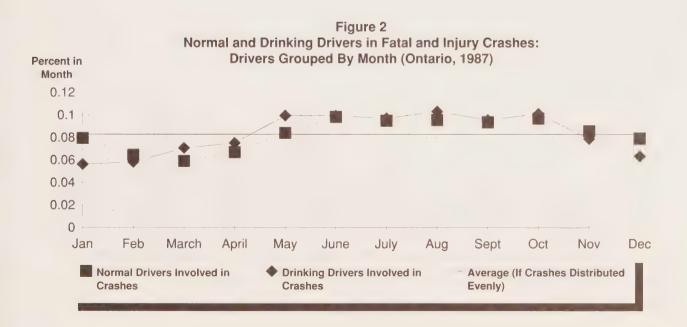
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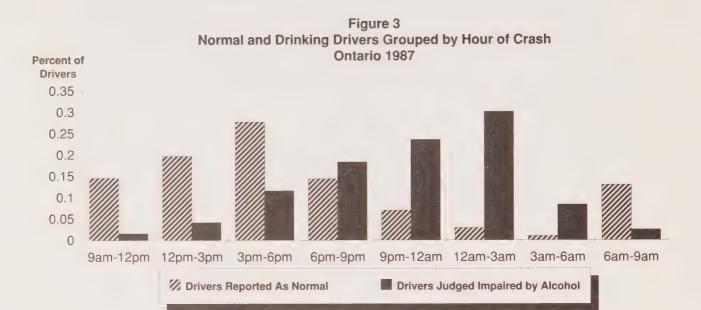
25-34 are **overrepresented in all three groups**: crash-involved drinking drivers, drivers judged impaired, and normal drivers. The youngest age group — 16-18 year olds — was overrepresented among drinking and normal drivers, but very slightly *underrepresented* among impaired drivers. Female drivers had similar patterns of crash involvement relative to their numbers in the licensed-driver population. One exception was the 35-44 year-old group, which — unlike their male counterparts — was overrepresented among crash-involved impaired drivers.

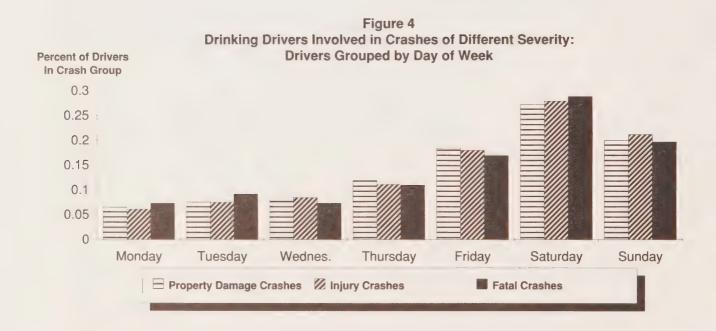
In Figure 8, we use a "Problem Index" (PI) and apply it to age groups of crash-involved drivers for both 1986 and 1987. This index is simply the number of crash-involved drinking drivers divided by the number of crash-involved normal drivers times 100. The PI indicates the degree to which drinking and driving is a problem in each age group. As was also evident in Figure 6, drivers 19-24 and 25-34 years old stand out as having higher PIs than all other age groups. Drivers aged 16-18 and 35-44 have comparable PIs. Combining all age groups gives a PI value for Ontario as a whole, which dropped slightly from 1986 to 1987. Interestingly, lower PIs for drivers aged 16-24 years accounted for most of the difference.

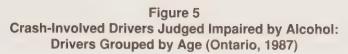
Figure 1
Condition of Drivers Involved in Traffic Crashes:
Ontario 1987

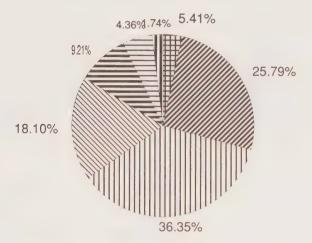


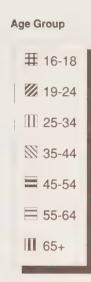


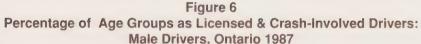


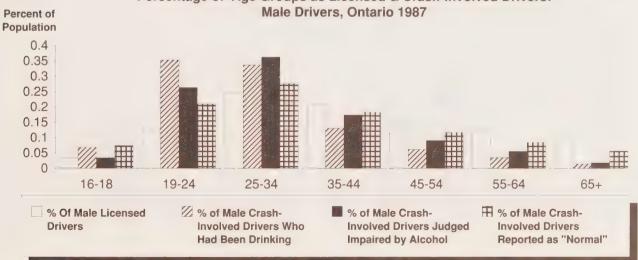


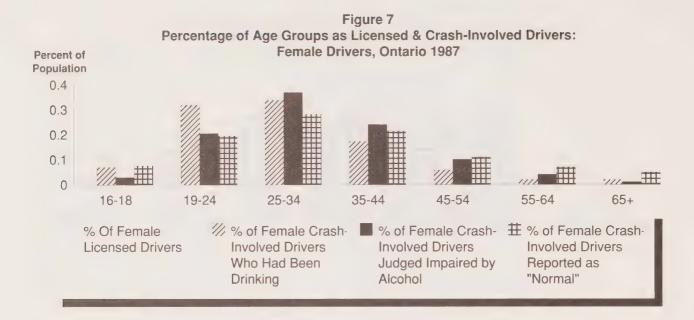


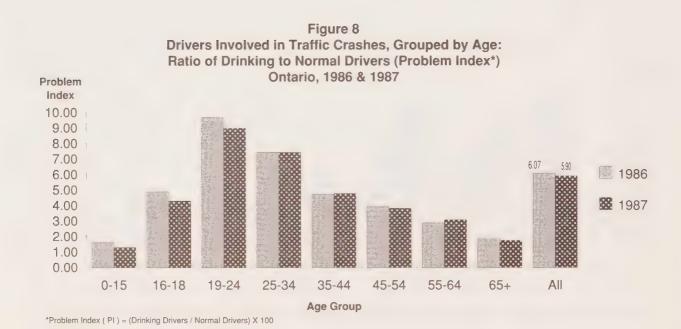












The Problem of Drinking and Driving in Ontario: Counties and Regional Municipalities

In Section 2, we briefly noted that the problem of drinking and driving exists everywhere in Ontario, but also that it varies across counties and regional municipalities. In terms of actual magnitude, we do not find it surprising in 1987 that police reported greater numbers of crash-involved drinking drivers in areas with greater populations. For example, in Figure 9, we indicate the number of normal and drinking drivers in traffic crashes for counties and regional municipalities ordered by increasing population. As population increases, so too do numbers of **both** groups of drivers. (The last point on the graph represents Metropolitan Toronto and York Region combined; see also Table 10 in Appendix A.)

Figure 10 charts rates of crash-involved drivers per 1,000 population; again, counties and regional municipalities are arranged in order of increasing population. Of interest, in 1987, areas with greater populations had higher rates of crash-involved normal drivers and lower rates of crash-involved drinking drivers. The reverse *generally* held true for areas with lesser populations; some counties with small populations, however, evidenced high rates for both groups of drivers.

Finally, in Figure 11, we again apply the Problem Index. (The greater the PI value, the higher the ratio of drinking drivers to normal drivers in the crash-involved population.) As we would predict from Figure 10, in general, jurisdictions with greater populations had *lower* PI values. The relationship between size of population and PI seems strong but there are obvious differences among counties of approximately equal size.

Statistical Yearbook: 1988

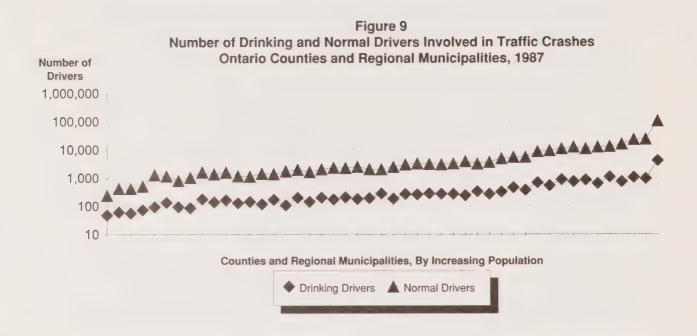


Figure 10
Crash-Involved Drinking and Normal Drivers Per 1,000 Population:
Ontario Counties and Regional Municipalities, 1987

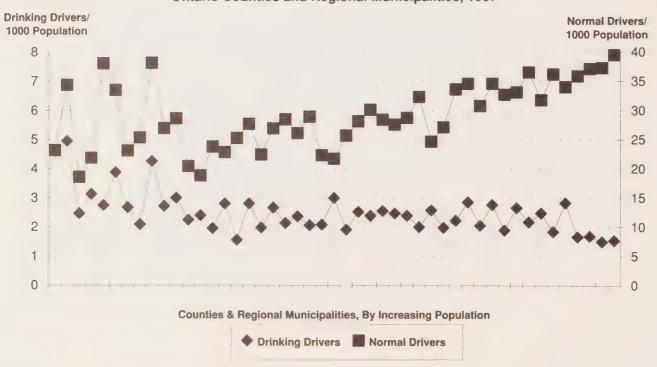
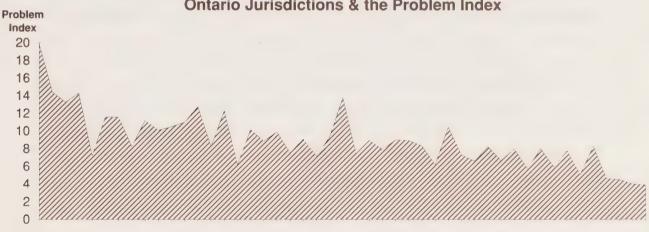


Figure 11
Indexing the Problem of Drinking and Driving:
Ontario Jurisdictions & the Problem Index



Counties and Regional Municipalities, Arranged in Order of Increasing Population

Ontario Trends in Drinking and Driving

In this section, we examine trends in drinking and driving using a number of indicators of the problem.

Figure 12 shows that numbers of *crash-involved drinking drivers* have declined greatly since 1980 — from about 30,000 in 1980 to less than 20,000 by 1987 (see also Table 1, Appendix A.) In 1987, however, the number of both male and female drinking drivers increased; the total number of drinking drivers increased about 6%, from 17,723 in 1986 to 18,737 in 1987. Other indicators evidence the same trend. In Figure 13 we see that numbers of crash-involved drinking drivers *per 1,000 licensed drivers* and *per 1,000 population* also decreased since 1980. Compared to 1986, however, both rates increased slightly in 1987: 2.6% and 4.1%, respectively. Based on these findings, we can conclude that the **magnitude** of drinking-driving problems increased somewhat in Ontario during 1987.

Figure 14 suggests one possible explanation for the above. The annual number of *normal drivers* involved in traffic crashes has increased about 20% (264,800 to 317,000) since the post-recession year of 1983 (see also Table 1, Appendix A). This no doubt reflects Ontario's improved economy; increased travel (along with more exposure to the *risk* of crash involvement); and, perhaps, more opportunities to combine drinking and driving. As indicated by the Problem Index, however, what is remarkable is that **numbers of crash-involved drinking drivers have not increased nearly as much as we might otherwise expect**. In fact, 1987 had a slightly lower PI value (by 2.8%) than did 1986. This result indicates that decreased social acceptability of impaired-driving behaviour along with drinking/driving countermeasures may have at least *moderated* the effect of economic conditions.

Data on *alcohol use among automobile driver fatalities* offer additional insight into trends in drinking and driving. Figure 15 charts annual numbers of nondrinking (zero BAC) drivers and drivers with illegal BACs (over 80 mg%). Also shown are values for a "Problem Index - 80" (the number of over-80 drivers divided by the number of zero-BAC drivers times 100). Of interest, from 1973 through 1982, the number of over-80 drivers equalled **or exceeded** the number

of nondrinking drivers. Since then, the number of driver fatalities with illegal BACs have dropped 12.5%, from 152 in 1983 to 133 in 1987. In contrast, over the same period of time, the number of *nondrinking* drivers has increased 9%, from 187 (1983) to 203 (1987). Changes in the Problem Index reflect this trend.

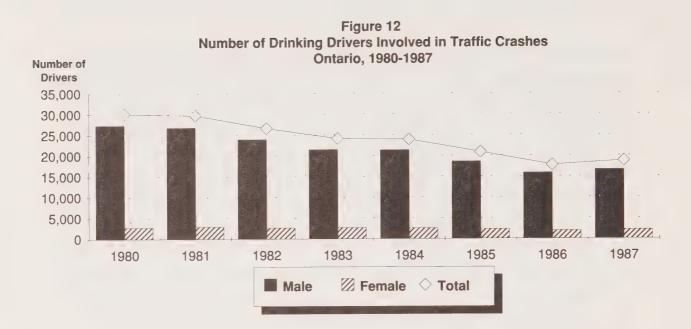
Unfortunately, other data indicate a much higher incidence of illegal BACs among fatally injured operators of **other** vehicles. For example, in 1987, 44% of motorcyclists and 56% of truck or van drivers killed in traffic crashes had BACs over 80 mg%. (See Table 8, Appendix A.) Nonetheless, when we consider alcohol use among **all** driver fatalities, we find that both the number and percent of impaired-driver fatalities have remained about the same since 1984 and about **18% lower** than the 15-year average (see Table 9, Appendix A).

Figure 16 shows the monthly number of driver fatalities in Ontario from January 1973 through December 1987; the number of those drivers tested for alcohol; and number of drivers having BACs over 80 mg%. Very evident is a regular, seasonal trend: increased driver fatalities during the summer and decreased numbers during the winter. This time series illustrates very well the likely persistence of drinking-driving problems — despite intensified programs and increased awareness.

In Figure 17, we have plotted values of the Problem Index - 80 for the same series of data. Of great interest, the index shows unprecedented changes during recent winters in Ontario (1983/1984, 1984/1985, and 1985/1986). Winter 1985/1986 is notable because, in December 1985, amendments to the Criminal Code of Canada introduced (among other provisions) severe penalties for new impaired-driving offences (for example, impaired driving causing bodily harm or death). Moreover, Ontario increased the minimum period of license suspension to one year for drivers convicted of a *first* impaired-driving offence. The Problem Index reflects sharp drops in impaired-driver fatalities during these periods; nondrinking driver fatalities remained unchanged.

7

6



Trends in Rates and Numbers of Crash-Involved Drinking Drivers Ontario, 1980 - 1987 Rate

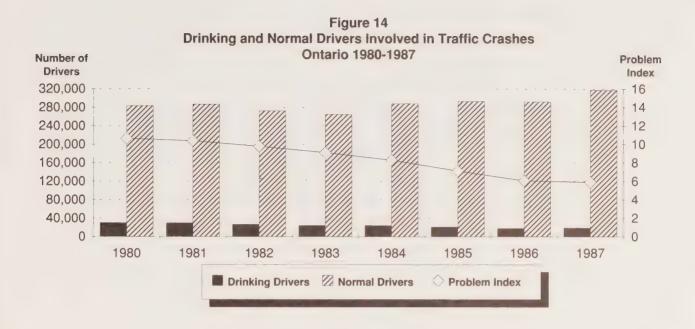
Figure 13

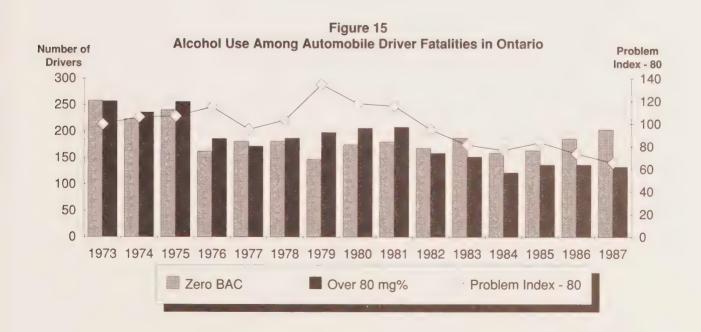
25,000 5 20,000 4 15,000 3 10,000 2 5,000 1 0 1984 1985 1986 1987 1980 1981 1982 1983 Trinking Drivers Per 1,000 ○ Number of Crash-Involved Drinking Drivers Per 1,000 **Licensed Drivers Population Drinking Drivers**

Number

35,000

30,000





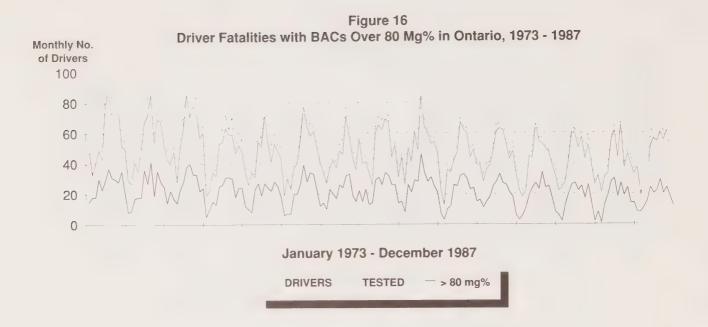


Figure 17
Trends in Alcohol Use Among Driver Fatalities in Ontario:

Problem Index - 80

1000

Winter 1985/1986

100 + March M

January 1973 - December 1987

Trends in Drinking and Driving: Criminal Justice Statistics

We now look briefly at trends based on *criminal justice* statistics, specifically, data on "persons charged" with impaired driving offences in Ontario and selected cities. As we discussed earlier, annual data on persons charged will likely include some individuals more than once. We assume, however, that only a small percentage of people are charged with impaired-driving offences two or more times in a given year. Thus, estimates based of this information should accurately reflect *trends*, if not precise yearly rates.

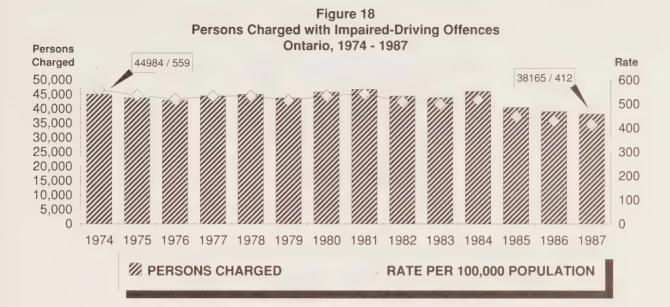
Figure 18 presents data on persons charged with impaired-driving offences in Ontario from 1974 through 1987. Also included is the *rate* of persons charged *per 100,000 population*. Until 1984, annual numbers of persons charged in Ontario stayed fairly constant, ranging from 42,900 in 1976 to 46,700 in 1981. In 1984, there were 46,000 persons charged. Since that year, however, numbers of persons charged have declined. A sharp drop occurred in 1985 when 12 % fewer persons were charged. Because the population of Ontario has increased steadily since 1974, rates of persons charged per 100,000 population have also decreased. The rate of persons charged in 1987 was 20% less than the rate in 1984.

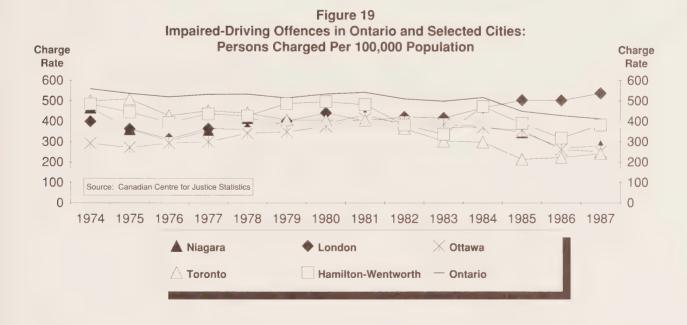
As shown in Figure 19, rates of persons charged vary in major centres of population in Ontario. In 1974, rates ranged from 292 in Ottawa to 500 in Toronto. In 1987, rates ranged from 241 in Toronto to 537 in London. Although it may be coincidence, during the initial period of renewed concern over impaired driving in Ontario (1982 - 1983), rates of persons charged were about the same in these five cities.

Compared to a decade ago, *numbers of persons charged* and *rates per 100,000 population* have decreased. In four of the five cities, rates were lower in 1987 compared to 1974. London, the exception, increased the rate of persons charged since 1984 and became the only city included here to exceed the provincial rate. In 1987, however, every city but Ottawa had *increased* numbers of persons charged and *higher* rates per 100,000 population.

To interpret these data is not easy. First, law enforcement statistics do **not** measure the frequency of impaired-driving behaviour, a task for which roadside surveys are best suited. Second, *enforcement practices* probably affect both the number of persons charged and the rate of persons charged per 100,000 population. A <u>simplistic</u> explanation of trends shown in Figures 18 and 19 is that **enforcement** of impaired-driving laws has decreased, not necessarily the incidence of impaired driving. But **methods** of enforcement may also have changed, at least in terms of emphasis. For example, Ontario police forces appear to use *roadside checkstops* much more now than in years past. This method of enforcement requires a very large investment of manpower and other resources. Compared to past years, the level of enforcement of impaired driving laws may have actually *increased* in Ontario!

Finally, combined with publicity, checkstop campaigns seem designed to deter people from driving after drinking rather than to arrest impaired drivers. It may well be that *enforcement as a deterrent* will prove more effective in reducing impaired driving than the (highly **un**publicized) arrest and punishment of a small fraction of offenders. Further research is needed to resolve this and other issues related to enforcement of impaired-driving laws. In the meantime, we urge readers to use caution in interpreting the meaning of these statistics.





SOURCES OF MORE INFORMATION

Readers wishing more information on drinking and driving may either contact the Office of Drinking/Driving Countermeasures or refer to publications listed below — or both!

CONTACT:

Office of Drinking/Driving Countermeasures
Ministry of the Attorney General
101 Bloor St. W., 4th Floor
M5S 1P7
Tel: (416) 965-7145

REFERENCES:

*** Ontario Road Safety. Annual Report for 1987, Ministry of Transportation.

Source: Transportation Regulation Development Branch

Safety Co-ordination and Development Office

West Building 1201 Wilson Avenue Downsview. Ontario

M3M 1J8

Tel: (416) 235-3585

*** Impaired Driving in Canada, 1974 - 1987,

Juristat Service Bulletin, Vol. 8, No. 4, September 1988.

(Catalogue 85-002)

Source: Statistics Canada

This and other Statistics Canada publications may be purchased from local authorized and other community bookstores, through local Statistics Canada offices, or by mail order to Publication Sales and Services, Ottawa, K1A 0T6.

*** Alcohol Use By Persons Fatally Injured in Motor Vehicle Accidents: 1986, P.J. Walsh et al.,

Traffic Injury Research Foundation of Canada.

(Report No. TP 8156, 1987)

Source: Road Safety and Motor Vehicle Regulation Directorate

Transport Canada Canada Building 344 Slater Street Ottawa, Ontario

K1A 0N5

APPENDIX A

DRINKING AND DRIVING IN ONTARIO

1987 STATISTICS



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Statistical Yearbook: 1988



Table 1

DRIVERS INVOLVED IN TRAFFIC CRASHES

ONTARIO, 1980-1987

Year	Prop	erty	Dar	nage	Pe	rson	al Inj	ury			Fat	al				To	tal	
&																		
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	1	HBD	IMP	D/D	NOR
Male																		
1980	9084	4978	####	139166	8389	4303	12692	70433		272	321	593	940		17745	9602	27347	21053
1981	8951	4965	####	140433	8193	4187	12380	70773		213	287	500	907		17357	9439	26796	21211
1982	7984	4319	####	133222	7393	3786	11179	66244		182	267	449	763		15559	8372	23931	20022
1983	6811	3923	####	125835	6653	3568	10221	65271		162	319	481	820		13626	7810	21436	19192
1984	6822	3931	####	135973	6465	3641	10106	71168		190	264	454	851		13477	7836	21313	20799
1985	5302	3244	8546	127478	6041	3562	9603	81791		162	243	405	833		11505	7049	18554	21010
1986	4370	2816	7186	124164	4869	3364	8233	81920		135	254	389	842		9374	6434	15808	20692
1987	4562	2947	7509	132016	5005	3680	8685	90362	•	133	259	392	939		9700	6886	16586	2233
Fema	le				 													
1980	861	388	1249	46181	1084	367	1451	26057		30	24	54	228		1975	779	2754	724
1981	929	462	1391	47595	1097	403	1500	26669		23	21	44	188		2049	886	2935	744
1982	911	364	1275	46395	992	341	1333	25229		21	28	49	171		1924	733	2657	717
1983	888	402	1290	46283	981	362	1343	26357		14	20	34	229		1883	784	2667	728
1984	851	438	1289	51207	869	373	1242	28600		26	18	44	221		1746	829	2575	800
1985	680	376	1056	48541	858	351	1209	34123		17	23	40	218		1555	750	2305	828
1986	519	332	851	48940	688	345	1033	35899		8	23	31	229		1215	700	1915	850
1987	542	338	880	53192	829	396	1225	40537	ì	18	28	46	277		1389	762	2151	940
Total																		
1980	9945	5366	####	185347	9473	4670	14143	96490		302	345	647	1168		19720	####	30101	2830
1981	9880	5427	####	188028	9290	4590	13880	97442		236	308	544	1095		19406	####	29731	2865
1982	8895	4683	####	179617	8385	4127	12512	91473		203	295	498	934		17483	9105	26588	2720
1983	7699	4325	####	172118	7634	3930	11564	91628		176	339	515	1049		15509	8594	24103	2647
1984	7673	4369	####	187180	7334	4014	11348	99768		216	282	498	1072		15223	8665	23888	2880
1985	5982	3620	9602	176019	6899	3913	10812	115914		179	266	445	1051		13060	7799	20859	2929
1986	4889	3148	8037	173104	5557	3709	9266	117819		143	277	420	1071		10589	7134	17723	2919
1987	5104	3285	8389	185208	5834	4076	9910	130899		151	287	438	1216	-	11089	7648	18737	3173

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

Table 2

AGE OF DRIVERS

INVOLVED IN TRAFFIC CRASHES

ONTARIO, 1987

Con	lii ii	No of		Da	n c ut-	. Dam	
Sex		No. of	1	Pro	operty	/ Dam	nage
&		Licensed	. 5				
Age		Drivers		HBD	IMP	D/D	NOR
Male	7		1				<u> </u>
					_		
0-15		0		9	5	14	152
16-18		117004		290	105	395	9189
19-24		422507		1550	714	2264	27014
25-34		821516		1557	1072	2629	36867
35-44		697032		607	517	1124	24284
45-54		487279		278	296	574	15508
55-64		416013		179	176	355	11326
65+		354538		83	57	140	7595
Unknown		0		9	5	14	81
Total		3315889		4562	2947	7509	132016
Female	7		Ī	<u></u>			· · · · · · · · · · · · · · · · · · ·
0-15		0	1	1	0	1	39
16-18		88092		35	7	42	4117
19-24		340640		172	73	245	10230
25-34		723410		187	115	302	15098
35-44		609821		92	83	175	11261
45-54		378743		33	39	72	5833
55-64		292852		11	17	28	3851
65+		228658	1	11	3	14	2746
Unknown	_}	2662216	- [5 42	338	880	53 192
		2002210		542	338	880	53192
Total							
0-15		0		10	5	15	191
16-18		205096		325	112	437	13306
19-24		763147		1722	787	2509	37244
25-34		1544926	-	1744	1187	2931	51965
35-44		1306853		699	600	1299	35545
45-54		866022		311	335	646	21341
55-64		708865		190	193	383	15177
65+		583196		94	60	154	10341
Unknown		0	-	9	6	15	98
Total		5978105		5104	3285	8389	185208

	Pe	rsona	ıl İnju	rv		Fai	tal				To	tal	
-1.						200				:			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR
<u> </u>									. 1	1100			11011
	8	2	10	1497	1	0	1	16		18	7	25	1665
	356	122	478	7138	12	9	21	85	2	658	236	894	16412
	1801	1019	2820	19288	59	78	137	184		3410	1811	5221	46486
	1668	1327	2995	23952	33	93	126	216		3258	2492	5750	61035
	644	641	1285	15930	13	39	52	161	: 1.	1264	1197	2461	40375
	312	317	629	10188	8	12	20	116		598	625	1223	25812
	154	186	340	7338	6	20	26	96		339	382	721	18760
	52	61	113	4717	1	7	8	65		136	125	261	12377
	10	5	15	314	0	1	1	0		19	11	30	395
	5005	3680	8685	90362	133	259	392	939		9700	6886	16586	223317
									- [
	1	2	3	511	0	0	0	2		2	2	4	552
	62	13	75	3034	1	3	4	21		98	23	121	7172
	264	78	342	7966	5	5	10	54		441	156	597	18250
	274	150	424	11265	7	15	22	66		468	280	748	26429
	144	96	240	8759	4	4	8	54		240	183	423	20074
	48 16	37 14	85 30	4428 2674	0	1	1	28 22		81	77 31	158	10289 6547
	16	5	21	1801	0	0	1	30		28 27	8	59 35	4577
	4	1	5	99	0	0	0	0		4	2	6	116
	829	396	1225	40537	18	28	46	277	ı	1389	762	2151	94006
7.1	0_0			10001	 ,					1000		2101	0.1000
													į
	9	4	13	2008	1	0	1	18		20	9	29	2217
	418	135	553	10172	13	12	25	106		756	259	1015	23584
	2065	1097	3162	27254	64	83	147	238		3851	1967	5818	64736
	1942	1477	3419	35217	40	108	148	282		3726	2772	6498	87464
	788	737	1525	24689	17	43	60	215		1504	1380	2884	60449
	360	354	714	14616	8	13	21	144		679	702	1381	36101
	170	200	370	10012	7	20	27	118		367	413	780	25307
	68	66	134	6518	1	7	8	95		163	133	296	16954
	14	6	20	413	0	1	1	0	l	23	13	36	511
	5834	4076	9910	130899	 151	287	438	1216		11089	7648	18737	317323

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

Table 3

DRIVERS IN TRAFFIC CRASHES:
HOUR OF CRASH
ONTARIO, 1987

		· · · · · ·	-		D		
	Hour		Pro	operty	Dam	nage	
	of						
	Crash		HBD	IMP	D/D	NOR	
	0.0	1 1 [Alexander Control	
	Male						
	12am-3am		1348	834	2182	3971	
	3am-6am	7	432	205	637	1556	
	6am-9am		110	68	178	17477	
	9am-12pm		80	53	133	20140	
	12pm-3pm	1.5	209	109	318	25696	
	3pm-6pm		560	343	903	35365	
	6pm-9pm	100	791	580	1371	18423	
	9pm-12am		988	728	1716	9087	
	Unknown	1.1	44	27	71	301	
	Total		4562	2947	7509	132016	
	Female	1 [
	1 emale						
	12am-3am		199	98	297	1126	
	3am-6am		51	20	71	279	
	6am-9am		20	6	26	7319	
	9am-12pm		7	6	13	8264	
	12pm-3pm		10	14	24	10925	
	3pm-6pm		41	34	75	15200	
	6pm-9pm		85	63	148	6844	
	9pm-12am		124	95	219	3105	
	Unknown		5	2	7	130	
-	Total		542	338	880	53192	
-	Total						
	12am-3am		1547	932	2479	5097	
	3am-6am		483	225	708	1835	
	6am-9am		130	74	204	24796	
	9am-12pm		87	59	146	28404	
	12pm-3pm		219	123	342	36621	
	3pm-6pm		601	377	978	50565	
	6pm-9pm		876	643	1519	25267	
	9pm-12am		1112	823	1935	12192	
	Unknown		49	29	78	431	
	Total	-	5104	3285	8389	185208	

	Pe	rsona	l Inju	ry	Fatal							Tot	tal	
	HBD	IMP	D/D	NOR	НВ		IMP	D/D	NOR]	HBD	IMP	D/D	NOR
	пви	IIVIP	טוט	NOR	ППВ	U	IIVIP	ט/ט	NOR	ľ	нвр	IIVIP	ט/ט	NOR
			· /							<u>}</u> :				
	1498	1072	2570	2968		41	91	132	79		2887	1997	4884	7018
	459	218	677	1000		9	21	30	22		900	444	1344	2578
	116	90	206	10694		6	7	13	109		232	165	397	28280
	70	43	113	11893		1	3	4	97		151	99	250	32130
	221	135	356	17341		8	9	17	159		438	253	691	43196
	616	425	1041	24762		15	30	45	223		1191	798	1989	60350
	885	734	1619	14225		26	42	68	152		1702	1356	3058	32800
	1092	933	2025	7302		27	53	80	98		2107	1714	3821	16487
	48	30	78	177		0	3	3	0		92	60	152	478
	5005	3680	8685	90362	13	33	259	392	939	1	9700	6886	16586	223317
										1				
	266	120	386	870		6	9	15	14		471	227	698	2010
	97	28	125	189		2	4	6	2		150	52	202	470
	24	13	37	5267		1	1	2	37		45	20	65	12623
	17	10	27	5723		0	0	0	40		24	16	40	14027
	35	13	48	8081		1	3	4	44		46	30	76	19050
	66	19	85	11929		2	0	2	70		109	53	162	27199
	116	69	185	5807		3	5	8	41		204	137	341	12692
	199	122	321	2559		3	6	9	29		326	223	549	5693
	9	2	11	112		0	0	0	0		14	4	18	242
	829	396	1225	40537	-	18	28	46	277	,	1389	762	2151	94006
										1				
	1764	1192	2956	3838		47	100	147	93		3358	2224	5582	9028
	556	246	802	1189		11	25	36	24		1050	496	1546	3048
	140	103	243	15961		7	8	15	146		277	185	462	40903
	87	53	140	17616		1	3	4	137		175	115	290	46157
	256	148	404	25422		9	12	21	203	:	484	283	767	62246
	682	444	1126	36691		<i>5</i> 17	30	47	293		1300	851	2151	87549
	1001	803	1804	20032		29	47	76	193		1906	1493	3399	45492
	1291	1055	2346	9861		30	59	89	127		2433	1937	4370	22180
	57	32	89	289		0	3	3	0	555555	106	64	170	720
	5834	4076	9910	130899	1/		287	438	1216		11089	7648	18737	317323

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

Table 4

DRIVERS IN TRAFFIC CRASHES:
DAY OF WEEK
ONTARIO, 1987

		I CONTRACT					
	Hour		Pro	perty	Dam	age	
	of						
	Crash	ſ	HBD	IMP	D/D	NOR	
	Male	lΓ					
	waie						
,	Monday		272	205	477	18690	
	Tuesday		337	239	576	20276	
	Wednesday		396	250	646	18711	
	Thursday		498	378	876	19423	
	Friday		834	582	1416	25260	
	Saturday		1283	754	2037	17491	
	Sunday		942	539	1481	12165	
	Total		4562	2947	7509	132016	
	Female	1					
	remale						
	Monday		38	33	71	7458	
	Tuesday		37	22	59	8447	
	Wednesday		38	32	70	8124	
	Thursday		63	56	119	8221	
	Friday		74	52	126	9855	
	Saturday		160	82	242	6846	
	Sunday		132	61	193	4241	
	Total		542	338	880	53192	
	Total	1		<u> </u>	2.25		
111	Monday		310	238	548	26148	
B	Williady	F. a. 1			005	00700	
	Tuesday		374	261	635	28723	
	-		374 434	282	716	26835	
	Tuesday		434 561	282 434	716 995	26835 27644	
	Tuesday Wednesday Thursday Friday		434	282	716	26835 27644 35115	
	Tuesday Wednesday Thursday Friday Saturday		434 561	282 434 634 836	716 995	26835 27644 35115 24337	
	Tuesday Wednesday Thursday Friday		434 561 908	282 434 634	716 995 1542	26835 27644 35115	

	Pe	rsona	l Inju	ry		Fa	tal				Tot	al	
												est en pt let en en let	Andrews (17) Sweller (17) and
F	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR
											<u></u>		18
	297	229	526	12548	10	17	27	119		F.70	451	1030	31357
	365	249	614	13004	14	24	38	147		579 716	512	1228	33427
	426	316	742	12879	10	20	30	139		832	586	1418	31729
	532	426	958	12803	14	30	44	119		1044	834	1878	32345
								1					
	889	689	1578	16534	24	42	66	168		1747	1313	3060	41962
	1423	1024	2447	12913	41	72	113	149		2747	1850	4597	30553
	1073	747	1820	9681	20	54	74	98		2035	1340	3375	21944
	5005	3680	8685	90362	133	259	392	939	,	9700	6886	16586	223317
	4											4 (1991)446146176	
	54	25	79	5727	1	4	5	42		93	62	155	13227
	74	53	127	6341	2	0	2	38		113	75	188	14826
	52	42	94	6047	0	2	2	40		90	76	166	14211
	93	46	139	6219	2	2	4	34		158	104	262	14474
	136	64	200	7263	3	5	8	57		213	121	334	17175
	219	94	313	5335	3	10	13	33		382	186	568	12214
	201	72	273	3605	7	5	12	33		340	138	478	7879
	829	396	1225	40537	18	28	46	277		1389	762	2151	94006
·····													
	351	254	605	18275	11	21	32	161		672	513	1185	44584
	439	302	741	19345	16	24	32 40	185		829	513	1416	48253
	439	358	836	18926	10	22	32	179		922	662	1584	45940
	625	472	1097	19022	16	32	32 48	153		1202	938	2140	46819
	1025	753	1778	23797	27	32 47	74	225		1960	1434	3394	59137
	1642	1118	2760	18248	44	82	126	182		3129	2036	5165	42767
						59	86	131		2375	1478	3853	29823
	1274	819	2093	13286	27	50				ツイ/ム			

KEY: HBD -- Drivers reported by police to have been drinking IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

Table 5

DIRVERS IN TRAFFIC CRASHES:

MONTH OF YEAR

ONTARIO 1987

Month		Pro	operty	Dan	nage	
of						
Year		HBD	IMP	D/D	NOR	
Male			3		·	
January		385	212	597	14147	
February		330	210	540	10991	
March		325	252	577	9146	
April	. : .	294	223	517	8276	
May		383	298	681	10040	
June		360	248	608	10352	
July		403	261	664	10259	
August		447	239	686	10502	
September		398	257	655	10959	
October		437	304	741	12228	
November		434	244	678	12717	
December		366	199	565	12399	
TOTAL		4562	2947	7509	132016	
Female			. A. 1960 1 11990.		A. A	
January		46	26	72	5603	
February		38	24	62	4388	
March		32	24	56	3641	
April		36	31	67	3475	
May		42	24	66	3860	
June		52	32	84	4190	
July		43	31	74	3999	
August		50	26	76	3939	
September		43	36	79	4314	
October		52	38	90	5128	
November		53	27	80	5364	
December		55	19	74	5291	
TOTAL		542	338	880	53192	
Total						
January	1.0	431	238	669	19750	
February		368	234	602	15379	
March		357	276	633	12787	
April		330	254	584	11751	
May	i al	425	322	747	13900	
June	100	412	280	692	14542	
July	1:4	446	292	738	14258	
	1	497	265	762	14441	
August	200	441	293	734	15273	
August September	1 .					
September		489	342	831	173561	
September October		489 487	342 271	831 758	17356 18081	
September		489 487 421	342 271 218	831 758 639	17356 18081 17690	

Pe	rsona	l Inju	ry		Fa	tal				To	tal	
 T								1				
 HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR
		****						ļ. _. .		<u>.</u>		
255	242	497	7119		4.4	17	0.7		0.40	405		01000
258	259	517	5908	6	11	17	67	- :	646	465	1111	21333
337	287	624	5346	2	14	19 16	67		595	481	1076	16966
372	296	668	6150	7	13	20	44		664 673	553 532	1217 1205	14536 14470
508	336	844	7640	14	30	44	89		905	664	1569	17769
519	347	866	8883	15	26	41	93		894	621	1515	19328
523	326	849	8807	14	28	42	112		940	615	1555	19178
543	341	884	8886	22	32	54	89		1012	612	1624	19477
475	341	816	8438	11	29	40	88		884	627	1511	19485
503	368	871	8677	18	26	44	87		958	698	1656	20992
391	298	689	7549	9	25	34	86		834	567	1401	20352
321	239	560	6959	8	13	21	73		695	451	1146	19431
5005	3680	8685	90362	 133	259		939		9700	6886	16586	223317
 <u>.</u>												
38	30	68	3302	2	0	2	22		86	56	142	8927
39	28	67	2550	0	1	1	17		77	53	130	6955
56	24	80	2418	1	0	14	17		89	48	150	6076
57	31	88	2657	2	2	4	14		95	64	159	6146
88	49	137	3368	3	4	7	26		133	77	210	7254
91	28	119	3999	2	4	6	31		145	64	209	8220
74	34	108	3617	3	5	8	22		120	70	190	7638
95	33	128	3653	2	2	4	29		147	61	208	7621
83	51	134	3843	1	1	2	26		127	88	215	8183
89	40	129	4021	1	3	4	30		142	81	223	9179
63	28	91	3676	1	3	4	20		117	58	175	9060
56	20	76	3433	0	3	3	23		111	42	153	8747
 829	396	1225	40537	 18	28	59	277		1389	762	2164	94006
	070											
293	272	565	10421	8	11	19	89		732	521	1253	30260
297	287	584	8458	7	13	20	84		672	534	1206	23921
393	311	704	7764	3	14	30	61		753	601	1367	20612
429	327	756	8807	9	15	24	58		768	596	1364	20616
596	385	981	11008	17	34	51	115		1038	741	1779	25023
610 597	375 360	985 957	12882	17	30	47 50	124		1039	685	1724	27548 26816
			12424	17	33	50	134		1060	685	1745	
638 558	374 392	1012 950	12539 12281	24	34	58	118		1159	673 715	1832	27098
592	408	1000	12698	12 19	30 29	42 48	114 117		1011 1100		1726 1879	27668 30171
454	326	780	11225	10	28	38	106		951	779 625	1576	29412
377	259	636	10392	8	16	24	96		806	493	1299	28178
5834	4076	9910	130899	151	287		1216		11089	7648	18750	317323
3034	40/0	3310	130033	101	201	431	1210		11009	7040	10/30	317323

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

Table 6

DRINKING DRIVERS IN TRAFFIC CRASHES: ANNUAL NUMBER, RATE PER 1,000 POPULATION AND RATE PER 1,000 LICENSED DRIVERS ONTARIO, 1980-1987

	Number of	Population	Drinking Drivers	Number of	Drinking Drivers
	Crash-Involved	of	Per 1,000	Licensed	Per 1,000
Year	Drinking Drivers	Ontario*	Population	Drivers	Licensed Drivers
1980	33,101	8,569,700	3.50	4,993,531	6.63
1981	29,730	8,625,110	3.45	5,123,177	5.80
1982	26,588	8,706,960	3.05	5,247,198	5.07
1983	24,102	8,789,590	2.74	5,380,259	4.48
1984	23,888	8,873,010	2.69	5,513,911	4.33
1985	20,859	8,957,210	2.33	5,660,422	3.69
1986	17,723	9,113,000	1.94	5,817,799	3.05
1987	18,737	9,270,700	2.02	5,978,105	3.13

^{*}Figure for 1980 - Intercensal Estimate, Statistics Canada, Catalogue 91-521.

Figure for 1981 - Census of Canada.

Figures for 1982-85 are estimated assuming a constant rate of increase from 1981-1986.

Figures for 1986 and 1987 - Postcensal estimates (by regression method), Statistics Canada, Catalogue 91-211, November 1988.

Table 7

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATIONS ONTARIO, 1987

	1 1 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	4.1,14.	11						
AGE	No. of	% of	Crash-	% of	Crash-	% of	Crash-	% of	Crash-	% of
&	Drivers	Licensed	Involved	Drivers	Involved	Drivers	Involved	Drivers	Involved	Drivers
SEX	Licensed	Drivers	HBD	HBD	IMP	IMP	D/D	D/D	NOR	NOR
Male				44.54						
16-18	117004	3.5%	658	6.8%	236	3.4%	894	5.4%	16412	7.4%
19-24	422507	12.7%	3410	35.3%	1811	26.4%	5221	31.6%	46486	21.0%
25-34	821516	24.8%	3258	33.7%	2492	36.3%	5750	34.8%	61035	27.6%
35-44	697032	21.0%	1264	13.1%	1197	17.4%	2461	14.9%	40375	18.2%
45-54	487279	14.7%	598	6.2%	625	9.1%	1223	7.4%	25812	11.7%
55-64	416013	12.5%	339	3.5%	382	5.6%	721	4.4%	18760	8.5%
65+	354538	10.7%	136	1.4%	125	1.8%	261	1.6%	12377	5.6%
Total	3315889	100%	9663	100%	6868	100%	16531	100%	221257	100%
Female				A STATE OF THE STA						
16-18	88092	3.3%	98	7.1%	23	3.0%	121	5.7%	7172	7.7%
19-24	340640	12.8%	441	31.9%	156	20.6%	597	27.9%	18250	19.6%
25-34	723410	27.2%	468	33.8%	280	36.9%	748	34.9%	26429	28.3%
35-44	609821	22.9%	240	17.4%	183	24.1%	423	19.8%	20074	21.5%
45-54	378743	14.2%	81	5.9%	77	10.2%	158	7.4%	10289	11.0%
55-64	292852	11.0%	28	2.0%	31	4.1%	59	2.8%	6547	7.0%
65+	228658	8.6%	27	2.0%	8	1.1%	35	1.6%	4577	4.9%
Total	2662216	100%	1383	100%	758	100%	2141	100%	93338	100%
Both										
16-18	205096	3.4%	756	6.8%	259	3.4%	1015	5.4%	23584	7.4%
19-24	763147	12.8%	3851	34.7%	1967	25.7%	5818	31.1%	64736	20.4%
25-34	1544926	25.8%	3726	33.6%	2772	36.2%	6498	34.7%	87464	27.6%
35-44	1306853	21.9%	1504	13.6%	1380	18.0%	2884	15.4%	60449	19.0%
45-54	866022	14.5%	679	6.1%	702	9.2%	1381	7.4%	36101	11.4%
55-64	708865		367	3.3%	413	5.4%	780	4.2%	25307	8.0%
65+	583196	9.8%	163	1.5%	133	1.7%	296	1.6%	16954	5.3%
Total	5978105	100%	11089	100%	7648	100%	18737	100%	317323	100%

Table 8
ALCOHOL USE AMONG DRIVER FATALITITES:
ONTARIO, 1987*

Category		Number	Number	Had	Over	Driver	s Grou	uped By	BAC (m	1g%)
of		of	Tested	Been	80					
Drivers		Drivers	for BAC	Drinking	mg%	Zero	1-49	50-80	81-150	>150
Age										
< 16		22	5	1	0	4	1	0	0	0
16 - 19		102	74	26	18	48	6	2	10	8
20 - 25		191	161	98	83	63	5	10	28	55
26 - 35		181	150	89	79	61	7	3	9	70
36 - 45		93	73	33	27	40	6	0	8	19
46 - 55		50	37	11	9	26	1	1	0	9
> 55		149	106	31	28	75	3	0	10	18
							s. jum	indukta.		
Sex										
Male		635	494	267	225	227	26	16	60	165
Female		153	112	22	19	90	3	0	5	14
										77.7
Type of Vehicle									interallisment	etomikooda
Automobile		471	377	166	139	211	16	11	33	106
Motorcycle / Moped		124	98	52	43	46	7	2	18	25
Truck / Van		88	68	43	38	25	4	1	5	33
Tractor-Trailer		11	8	0	0	8	0	0	0	0
]	en.						1		
Type of Collision										
Single-Vehicle		329	265	180	160	85	12	8	35	125
Multiple-Vehicle		457	341	109	84	232	17	8	30	54
Unknown		2	0	0	0	0	0	0	0	0
Total		788	606	289	244	317	29	16	65	179
				4 1	N		1,11		1. 74 1. 17	4 1

^{*} Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

ALCOHOL USE AMONG DRIVER FATALITIES

ONTARIO, 1973-1987

Table 9

Year	Year		of B			Tested for BAC					ver ng%			Grouped C (mg%	
		Drivers		#	%		#	%		#	%		Zero	1-80	> 80
1973		773		713	92.2%]	384	53.9%		315	44.2%] [329	69	315
1974		720		648	90.0%		362	55.9%		281	43.4%		286	81	281
1975		754		698	92.6%		410	58.7%		305	43.7%		288	105	305
1976		618		542	87.7%		320	59.0%		252	46.5%		222	68	252
1977		613		540	88.1%		304	56.3%		243	45.0%		236	61	243
1978		589		558	94.7%		310	55.6%		256	45.9%		248	54	256
1979		591		536	90.7%		319	59.5%		255	47.6%		217	64	255
1980		643		591	91.9%		339	57.4%		283	47.9%		252	56	283
1981		672		632	94.0%		378	59.8%		312	49.4%		254	66	312
1982		550		515	93.6%		288	55.9%		240	46.6%		227	48	240
1983		597		553	92.6%		297	53.7%		244	44.1%		256	53	244
1984		530		492	92.8%		267	54.3%		221	44.9%		225	46	221
1985		539		502	93.1%		260	51.8%		200	39.8%		242	60	200
1986		526		497	94.5%		257	51.7%		215	43.3%		240	42	215
1987		609		528	86.7%		250	47.3%		211	40.0%		278	39	211
						,			τ :			1 1			
Average		622		570	91.6%		316	55.5%		256	44.9%		253	61	256

- * Source: Fatality Database, Traffic Injury Research Foundation of Canada.

 (Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)
- ** Drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles excluded), 16 years of age or older, dying within 6 hours of crash involvement.
- *** In this table, "had been drinking" means any amount of alcohol detected in blood samples, INCLUDING blood alcohol concentrations over 80 mg%.

NORMAL AND DRINKING DRIVERS INVOLVED IN CRASHES DURING 1987:
RATES FOR ONTARIO'S COUNTIES AND REGIONAL MUNICIPALITIES

Table 10

		NORM	AL DRIVER	S	DRINK	ING DRIVE	RS	% Drive
JURISDICTION	POPULATION	Number	Rate	Rank	Number	Rate	Rank	Drinkin
Algoma	132600	3601	27.2	29	263	2.0	38	6.8%
Brant	108200	3079	28.5	25	277	2.6	19	8.3%
Bruce	58900	1112	18.9	46	142	2.4	24	11.3%
Cochrane	94300	2426	25.7	33	181	1.9	40	6.9%
Dufferin	33800	1288	38.1	3	93	2.8	13	6.7%
Durham	337100	10725	31.8	18	835	2.5	21	7.2%
Elgin	71300	1604	22.5	41	142	2.0	37	8.1%
Essex	319700	10598	33.1	15	850	2.7	17	7.4%
Frontenac	117500	3802	32.4	17	236	2.0	36	5.8%
Grey	74400	2006	27.0	31	199	2.7	16	9.0%
Haldimand-Norfolk	91900	2000	21.8	44	276	3.0	7	12.1%
Haliburton	12300	423	34.4	11	61	5.0	1	12.6%
Halton	277100	9076	32.8	16	525	1.9	41	5.5%
Hamilton-Wentworth	432500	15519	35.9	8	718	1.7	44	4.4%
	111000	3194	28.8	22	266	2.4	25	7.7%
Hastings			20.5	45	127	2.3	28	9.9%
Huron	56300	1154						
Kenora	59700	1367	22.9	40	168	2.8	11	10.9%
Kent	108400	2995	27.6	28	268	2.5	22	8.2%
Lambton	126200	3117	24.7	36	326	2.6	18	9.5%
Lanark	50300	1358	27.0	30	137	2.7	14	9.2%
Leeds & Grenville	85800	2244	26.2	32	204	2.4	27	8.3%
Lennox & Addington	34700	803	23.1	39	93	2.7	15	10.4%
Manitoulin	10400	241	23.2	38	48	4.6	2	16.6%
Middlesex	338600	12254	36.2	7	622	1.8	42	4.8%
Muskoka	41000	1566	38.2	2	175	4.3	3	10.1%
Niagara	374000	12725	34.0	12	1056	2.8	9	7.7%
Nipissing	80100	2283	28.5	24	172	2.1	31	7.0%
Northumberland	69600	1930	27.7	27	196	2.8	10	9.2%
Ottawa-Carleton	618100	23047	37.3	4	923	1.5	47	3.9%
Oxford	85900	2489	29.0	21	178	2.1	34	6.7%
Parry Sound	34500	1157	33.5	14	134	3.9	4	10.4%
Peel	608100	22580	37.1	5	1023	1.7	43	4.3%
Perth	67600	1711	25.3	35	106	1.6	45	5.8%
Peterborough	106600	3214	30.2	20	255	2.4	26	7.4%
Prescott & Russell	58900	1404	23.8	37	116	2.0	39	7.6%
Prince Edward	22700	422	18.6	47	56	2.5	23	11.7%
Rainy River	23300	510	21.9	43	73	3.1	5	12.5%
Renfrew	90900	2032	22.4	42	190	2.1	33	8.6%
Simcoe	243100	8411	34.6	9	672	2.8	12	7.4%
Stormont, Dundas, Glengarry	104800	2953	28.2	26	265	2.5	20	8.2%
Sudbury District & Reg. Mun.	176600	5442	30.8	19	363	2.1	35	6.3%
Thunder Bay	156800	5425	34.6	10	448	2.9	8	7.6%
Timiskaming	40500	1028	25.4	34	85	2.1	32	7.6%
Toronto & York Region	2591900	102396	39.5	1	3985	1.5	46	3.7%
Victoria	54200	1554	28.7	23	163	3.0	6	9.5%
Waterloo	335500	12260	36.5	6	729	2.2	30	5.6%
Wellington	142600	4798	33.6	13	317	2.2	30	6.2%

APPENDIX B

DRINKING AND DRIVING: COUNTIES

AND

REGIONAL MUNICIPALITIES OF ONTARIO

1987 STATISTICS



STATISTICS ON DRINKING AND DRIVING: COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

The following pages, which comprise the greater part of this report, present drinking-driving statistics for Ontario's counties and regional municipalities. In particular, we report numbers of **crash-involved** drivers reported by police officers as "normal" (**NOR**), "had been drinking" (**HBD**), or "ability impaired by alcohol" (**IMP**). For each jurisdiction from 1980 through 1987, we group drivers by gender and severity of crash (*property damage*, *injury*, *fatal*).

To many readers, these tables of numbers — or, as researchers would call them, raw data — will no doubt seem of little use, much less of interest. We remind those readers that this is a statistical yearbook and that we have endeavored to provide a detailed (not exhaustive) account of Ontario's experience during 1987. If only in defence, we must also note that "raw data" often yield answers to questions many people ask, for example: (1) How big is the drinking-driving problem in my community? (2) What percentage of drivers involved in traffic crashes have consumed alcohol? (3) Are we making progress? In this report, we cannot offer complete answers to those questions. We have, however, processed some of the numbers to indicate what happened — and what happened over time — to the problem of drinking and driving on a local level.

Based on police-reported data for each county or regional municipality, therefore, we graphed the *number* of drinking and normal drivers involved in traffic crashes from 1980 through 1987. The *number of drinking drivers involved in traffic crashes* is one measure of the magnitude of the problem. Using the *ratio of crash-involved* **drinking** *drivers to crash-involved* **normal** *drivers*, we also "indexed" the problem of drinking and driving. As we discussed in Section 3 (pp. 14-15), this measure of drinking-driving problems over time (a "Problem Index") seems to "control for" certain factors (for example, economic conditions) that give rise **both** to alcohol- **and** nonalcohol-related traffic crashes — notwithstanding programs aimed to reduce impaired-driving problems. Finally, we show the percentage of crash-involved drivers reported by police to have consumed alcohol.

We could spend another page or two discussing why all these statistics might not reflect the *true* magnitude of drinking-driving problems. Here we must admit that **available data** on the causal role of alcohol in traffic crashes are *limited*. Serving (literally) on the front lines, police officers investigating traffic crashes are still the most direct, most reliable channel of information we have about drinking and driving. Drinking drivers they report may well represent the *minimum number* actually involved in traffic crashes. For example, some studies have shown that many drinking drivers escape detection by police, simply by leaving the scene of minor accidents! Nonetheless, combined with **other** data — on *fatally injured drivers*, produced by coroners, pathologists, and toxicologists; on *people who drink and drive*, generated by researchers; and on *persons convicted of impaired-driving offences*, through the criminal justice system and driver-licensing agencies — statistics we report can (and do) contribute to a better understanding of drinking-driving problems in Ontario, its counties, and regional municipalities.

ALGOMA

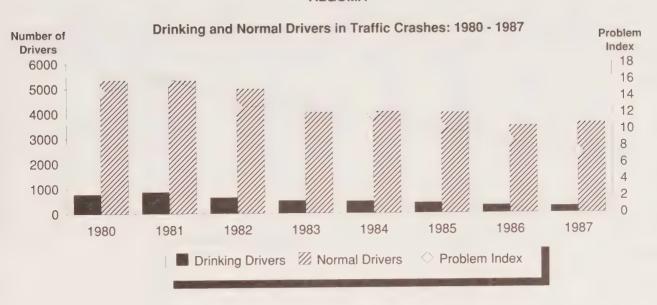
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age		Pe	rsona	l Injur	у	1		Fat	al				Tot	tal	
8				 ,						ř				41.1	,				
Sex	HBD	IMP	D/D	NOR	Н	IBD	IMP	D/D	NOR	-	HBD I	MP	D/D N	IOR	HE	BD.	IMP	D/D	NOR
Male																			
1980	238	135	373	2753		216	101	317	1194		10	6	16	28	4	64	242	706	397
1981	282	131	413	2663		227	126	353	1253		5	14	19	34	5	14	271	785	395
1982	206	112	318	2640		163	92	255	1005		4	3	7	20	3	73	207	580	366
1983	138	96	234	2070		120	83	203	834		2	5	7	12	2	60	184	444	291
1984	150	78	228	2006		98	91	189	856		7	7	14	17	2	55	176	431	287
1985	103	59	162	1775		109	85	194	1016		2	3	5	17	2	14	147	361	280
1986	66	53	119	1499		81	50	131	914	1	3	8	11_	21	1	50	111	261	243
1987	58	49	107	1521		74	53	127	893		4	2	6	22	1	36	104	240	243
Fema	le																		
1980	27	12	39	907		26	9	35	451		1	0	1	2		54	21	75	136
1981	28	17	45	895		25	11	36	475		2	1	3	7		55	29	84	137
1982	24	6	30	890		23	8	31	427		0	- 1	1	2		47	15	62	131
1983	30	6	36	786		25	5	30	334		0	0	0	5		55	11	66	112
1984	15	8	23	805		18	7	25	372		0	0	0	4		33	15	48	118
1985	15	11	26	721	1	18	4	22	490		0	2	2	2		33	17	50	121
1986	10	6	16	640		18	7	25	413		0	1	1	4		28	14	42	105
1987	7	2	9	707		12	2	14	452		0	0	0	6		19	4	23	116
Total																			
1980	265	147	412	3660		242	110	352	1645		11	6	17	30	5	18	263	781	533
1981	310	148	458	3558		252	137	389	1728		7	15	22	41	5	69	300	869	532
1982	230	118	348	3530		186	100	286	1432		4	4	8	22	4	20	222	642	498
1983	168	102	270	2856		145	88	233	1168		2	5	7	17	3	15	195	510	404
1984	165	86	251	2811		116	98	214	1228		7	7	14	21	2	88	191	479	406
1985	118	70	188	2496		127	89	216	1506		2	5	7	19	2	47	164	411	402
1986	76	59	135	2139		99	57	156	1327		3	9	12	25	1	78	125	303	349
1987	65	51	116	2228		86	55	141	1345		4	2	6	28	1	55	108	263	360

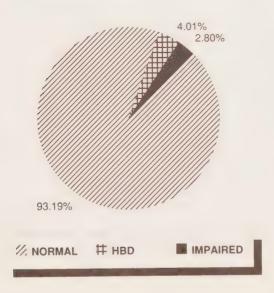
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ALGOMA



Condition of Drivers Involved in Traffic Crashes: 1987



BRANT

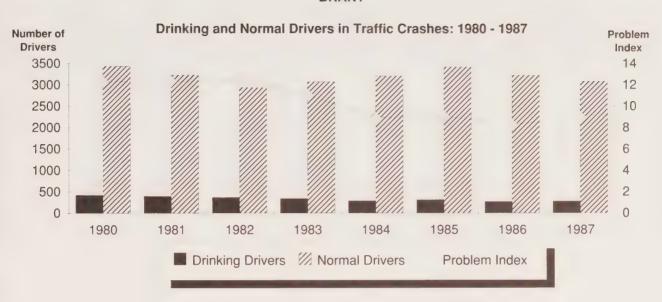
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Pe	rsona	l Injur	У		Fa	ata	l			To	tal	
&							V 4 11.		1111								
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	НВ	D IMI	P D)/D N	IOR	HBD	IMP	D/D	NOR
Male								;; ;									
1980	134	65	199	1627	112	59	171	811		3	5	8	9	249	129	378	244
1981	114	78	192	1511	94	70	164	716		5	2	7	11	213	150	363	223
1982	108	67	175	1362	87	41	128	619		7	8	15	6	202	116	318	198
1983	98	59	157	1405	96	45	141	678		1	2	3	5	195	106	301	208
1984	79	49	128	1475	82	40	122	667		1	2	3	8	162	91	253	215
1985	77	50	127	1445	81	52	133	858		8	4	12	13	166	106	272	231
1986	54	54	108	1354	64	56	120	792		1	3	4	11	119	113	232	215
1987	47	54	101	1209	81	46	127	756		1	9	10	18	129	109	238	198
Femal	е																
1980	12	7	19	656	15	9	24	322		0	0	0	4	27	16	43	98
1981	10	3	13	655	18	2	20	329		1	0	1	3	29	5	34	98
1982	15	5	20	630	21	3	24	312		1	3	4	5	37	11	48	94
1983	18	6	24	657	12	3	15	320		0	0	0	5	30	9	39	98
1984	9	5	14	694	12	5	17	352		1	0	1	7	22	10	32	105
1985	7	7	14	649	19	4	23	446		0	1	1	5	26	12	38	110
1986	5	5	10	625	16	6	22	439		1	1	2	2	22	12	34	106
1987	7	6	13	652	18	6	24	439		0	2	2	5	25	14	39	109
Total								1									
1980	146	72	218	2283	127	68	195	1133		3	5	8	13	276	145	421	342
1981	124	81	205	2166	112	72	184	1045		6	2	8	14	242	155	397	322
1982	123	72	195	1992	108	44	152	931		8 1	1	19	11	239	127	366	293
1983	116	65	181	2062	108	48	156	998		1	2	3	10	225	115	340	307
1984	88	54	142	2169	94	45	139	1019		2	2	4	15	184	101	285	320
1985	84	57	141	2094	100	56	156	1304		8	5	13	18	192	118	310	34
1986	59	59	118	1979	80	62	142	1231		2	4	6	13	141	125	266	32
1987	54	60	114	1861	99	52	151	1195		1 1	1	12	23	154	123	277	307

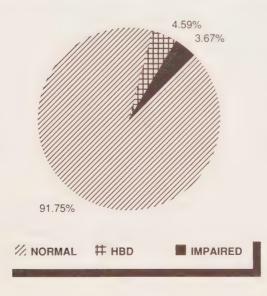
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

BRANT



Condition of Drivers Involved in Traffic Crashes: 1987



BRUCE

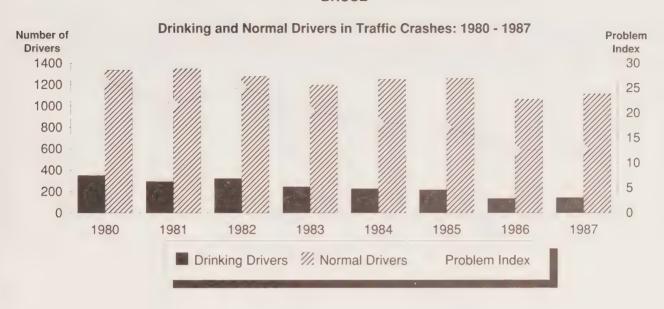
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Pro	perty I	Dama	age	Pe	rsona	l Injur	у		F	ata	ı		Total					
& c											1.44					a dia esa. S			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HE	BD II	MP [D/D N	IOR	HBD	IMP	D/D	NOF		
Male																			
1980	141	46	187	671	95	27	122	319		2	4	6	13	238	77	315	100		
1981	87	33	120	713	113	28	141	290		2	5	7	6	202	66	268	100		
1982	118	29	147	602	106	30	136	293		3	4	7	9	227	63	290	90		
1983	85	24	109	597	85	22	107	264		1	3	4	9	171	49	220	87		
1984	56	27	83	533	87	19	106	329		1	4	5	6	144	50	194	86		
1985	59	19	78	524	86	22	108	355		0	1	1	2	145	42	187	88		
1986	40	14	54	453	43	15	58	243		3	5	8	6	86	34	120	70		
1987	35	14	49	497	59	16	75	266		1	2	3	6	95	32	127	7		
Femal	е							3											
1980	14	5	19	216	15	1	16	114		1	0	1	2	30	6	36	3		
1981	12	2	14	225	10	0	10	112		2	0	2	3	24	2	26	3		
1982	7	2	9	243	21	2	23	128		0	0	0	1	28	4	32	3		
1983	11	3	14	210	7	2	9	115		1	0	1	1	19	5	24	3.		
1984	14	3	17	257	13	2	15	120		0	0	0	3	27	5	32	3		
1985	10	1	11	224	13	4	17	150		1	0	1	3	24	5	29	3		
1986	4	1	5	229	6	3	9	130		0	0	0	2	10	4	14	3		
1987	7	0	7	199	5	1	6	142		1	1	2	2	13	2	15	3		
Total																			
1980	155	51	206	887	110	28	138	433		3	4	7	15	268	83	351	13		
1981	99	35	134	938	123	28	151	402		4	5	9	9	226	68	294	13		
1982	125	31	156	845	127	32	159	421		3	4	7	10	255	67	322	12		
1983	96	27	123	807	92	24	116	379		2	3	5	10	190	54	244	11		
1984	70	30	100	790	100	21	121	449		1	4	5	9	171	55	226	12		
1985	69	20	89	748	99	26	125	505		1	1	2	5	169	47	216	12		
1986	44	15	59	682	49	18	67	373		3	5	8	8	96	38	134	10		
1987	42	14	56	696	64	17	81	408		2	3	5	8	108	34	142	11		

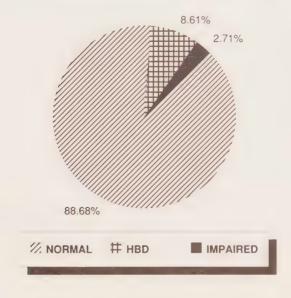
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

BRUCE



Condition of Drivers Involved in Traffic Crashes: 1987



COCHRANE

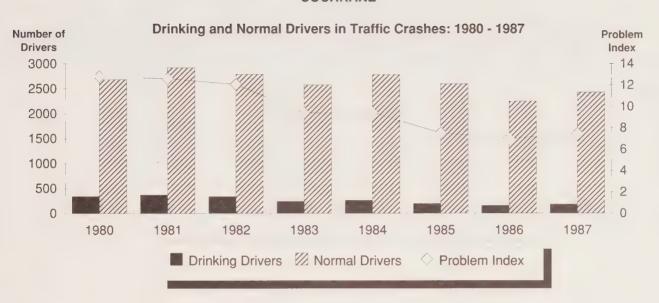
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	erty	Dama	age	Pe	rsona	l Injur	У			Fata	al			To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	F	HBD I	MP	D/D N	NOR	HBD	IMP	D/D	NOR
Male																	
1980	118	58	176	1430	83	56	139	644		7	1	8	14	208	115	323	208
1981	115	68	183	1604	107	45	152	678		5	2	7	11	227	115	342	22
1982	99	56	155	1500	95	52	147	657		4	4	8	16	198	112	310	21
1983	72	35	107	1310	67	42	109	642		4	0	4	15	143	77	220	190
1984	80	50	130	1426	62	40	102	648		1	1	2	7	143	91	234	20
1985	47	45	92	1288	53	33	86	664		1	1	2	8	101	79	180	19
1986	40	30	70	1064	36	30	66	545		0	4	4	5	76	64	140	16
1987	40	35	75	1081	35	44	79	663		2	3	5	9	77	82	159	17
Femal	1				:												
1980	7	2	9	417	5	3	8	174		3	0	3	1	15	5	20	5
1981	10	5	15	427	7	4	11	197		0	0	0	2	17	9	26	6
1982	10	3	13	423	8	5	13	189		0	0	0	1	18	8	26	6
1983	9	3	12	393	4	3	7	210		1	1	2	2	14	7	21	6
1984	13	6	19	454	6	3	9	240		0	0	0	3	19	9	28	6
1985	5	3	8	390	6	0	6	246		1	0	1	1	12	3	15	6
1986	2	4	6	377	8	3	11	254		0	0	0	1	10	7	17	6
1987	3	5	8	396	10	3	13	272	-	1	0	1	5	14	8	22	6
Total																	
1980	125	60	185	1847	88	59	147	818		10	1	11	15	223	120	343	26
1981	125	73	198	2031	114	49	163	875		5	2	7	13	244	124	368	29
1982	109	59	168	1923	103	57	160	846		4	4	8	17	216	120	336	27
1983	81	38	119	1703	71	45	116	852		5	1	6	17	157	84	241	25
1984	93	56	149	1880	68	43	111	888		1	1	2	10	162	100	262	27
1985	52	48	100	1678	59	33	92	910		2	1	3	9	113	82	195	25
1986	42	34	76	1441	44	33	77	799		0	4	4	6	86	71	157	22
1987	43	40	83	1477	45	47	92	935		3	3	6	14	91	90	181	24

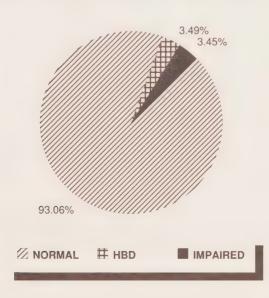
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

COCHRANE



Condition of Drivers Involved in Traffic Crashes: 1987



DUFFERIN

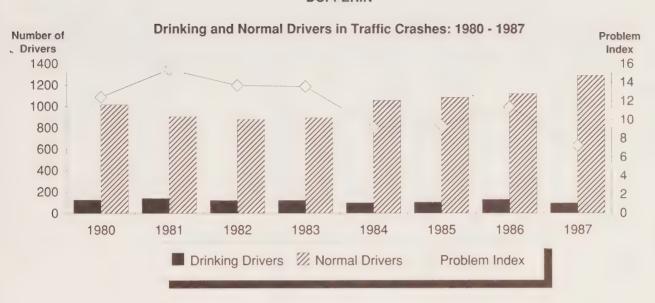
Drivers Involved in Traffic Crashes, 1980 - 1987

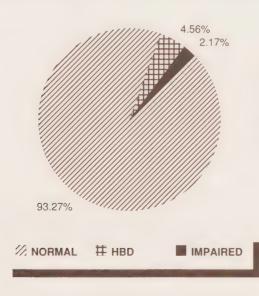
Year	Pro	perty	Dam	age	Pe	rsona	l Injur	у	F	Fat	al			То	tal	
&	1100	10.470	D/D	NOD	Lunn	IMP	D/D	NOD	1100		D.(D.	NOD 1	LUDD	INAD	D/D	NOD
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male								-								
1980	51	13	64	483	41	12	53	258	2	1	3	4	94	26	120	74
1981	44	12	56	414	52	11	63	242	1	4	5	5	97	27	124	66
1982	41	17	58	386	35	13	48	215	3	4	7	13	79	34	113	61
1983	37	16	53	424	37	14	51	219	2	6	8	7	76	36	112	65
1984	27	13	40	452	28	13	41	261	0	3	3	6	55	29	84	71
1985	24	11	35	460	34	19	53	306	3	0	3	2	61	30	91	76
1986	26	16	42	473	53	24	77	288	0	1	1	7	79	41	120	76
1987	27	8	35	545	24	15	39	364	2	2	4	8	53	25	78	91
Fema	le															
1980	3	1	4	165	2	0	2	104	0	0	0	1	5	1	6	27
1981	6	3	9	150	4	1	5	93	1	0	1	0	11	4	15	24
1982	2	1	3	177	4	0	4	84	0	0	0	3	6	1	7	26
1983	3	0	3	171	3	3	6	70	0	0	0	2	6	3	9	24
1984	4	2	6	218	4	3	7	117	0	0	0	1	8	5	13	33
1985	6	0	6	184	4	0	4	132	0	1	1	0	10	1	11	31
1986	2	1	3	206	2	2	4	141	0	0	0	3	4	3	7	35
1987	0	2	2	209	10	3	13	159	0	0	0	3	10	5	15	37
Total				Administrative Admini												
1980	54	14	68	648	43	12	55	362	2	1	3	5	99	27	126	101
1981	50	15	65	564	56	12	68	335	2	4	6	5	108	31	139	90
1982	43	18	61	563	39	13	52	299	3	4	7	16	85	35	120	87
1983	40	16	56	595	40	17	57	289	2	6	8	9	82	39	121	89
1984	31	15	46	670	32	16	48	378	0	3	3	7	63	34	97	105
1985	30	11	41	644	38	19	57	438	3	1	4	2	71	31	102	108
1986	28	17	45	679	55	26	81	429	0	1	1	10	83	44	127	111
1987	27	10	37	754	34	18	52	523	2	2	4	11	63	30	93	128

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DUFFERIN





DUNDAS

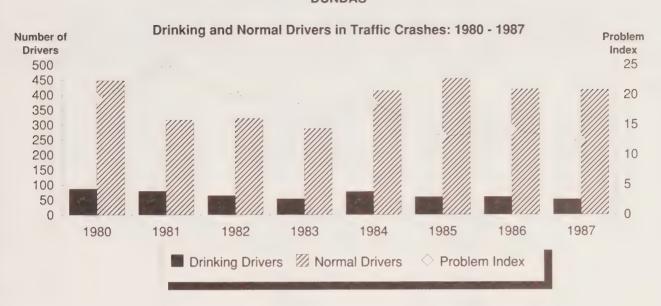
Drivers Involved in Traffic Crashes, 1980 - 1987

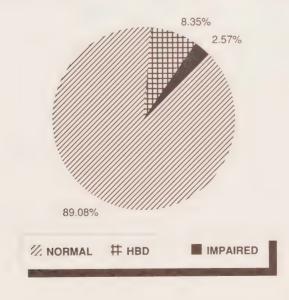
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	у		F	ata				То	tal	
&							A) i i i je					1 2 H.	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	Н	IBD IM	IP D	D N	OR	HBD	IMP	D/D	NOF
Male																	
1980	33	14	47	239	24	9	33	82		0	2	2	7	57	25	82	3
1981	31	10	41	164	22	6	28	69		1	2	3	6	54	18	72	2
1982	28	4	32	170	15	5	20	60	*	3	1	4	4	46	10	56	2
1983	23	3	26	131	17	5	22	61		0	1	1	6	40	9	49	1
1984	28	7	35	206	23	13	36	88		1	1	2	5	52	21	73	2
1985	19	5	24	203	19	10	29	112		0	1	1	2	38	16	54	3
1986	17	9	26	202	16	9	25	98		2	1	3	0	35	19	54	3
1987	16	5	21	174	19	7	26	117		0	0	0	3	35	12	47	2
Fema	le																
1980	3	0	3	87	1	1	2	31		0	0	0	1	4	1	5	1
1981	2	1	3	54	4	0	4	22		0	0	0	1	6	1	7	
1982	2	0	2	60	5	0	5	25		1	0	1	2	8	0	8	
1983	3	0	3	58	1	0	1	30		0	0	0	1	4	0	4	
1984	2	1	3	80	1	0	1	34		0	0	0	0	3	1	4	1
1985	1	0	1	89	3	1	4	47		0	0	0	- 1	4	1	5	1
1986	2	0	2	82	1	2	3	36		0	0	0	0	3	2	5	1
1987	1	0	1	74	3	0	3	48	4	0	0	0	0	4	0	4	1
Total																	
1980	36	14	50	326	25	10	35	113		0	2	2	8	61	26	87	4
1981	33	11	44	218	26	6	32	91		1	2	3	7	60	19	79	3
1982	30	4	34	230	20	5	25	85		4	1	5	6	54	10	64	3
1983	26	3	29	189	18	5	23	91		0	1	1	7	44	9	53	2
1984	30	8	38	286	24	13	37	122		1	1	2	5	55	22	77	4
1985	20	5	25	292	22	11	33	159		0	1	1	3	42	17	59	4
1986	19	9	28	284	17	11	28	134		2	1	3	0	38	21	59	۷
1987	17	5	22	248	22	7	29	165		0	0	0	3	39	12	51	4

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DUNDAS





DURHAM REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

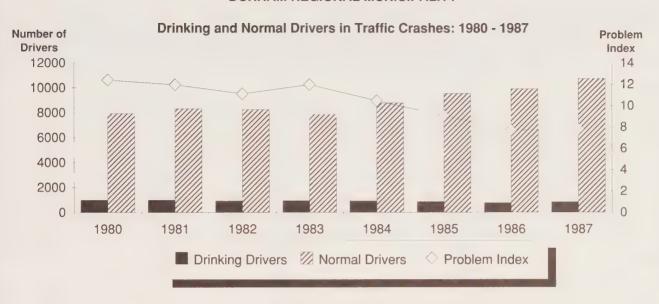
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fat	al			To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D N	IOR	HBD	IMP	D/D	NOR
Male																
Wate																
1980	277	128	405	3542	308	148	456	2100	4	16	20	29	589	292	881	567
1981	306	150	456	3849	309	121	430	2155	6	13	19	38	621	284	905	604
1982	276	144	420	3664	268	112	380	2138	10	10	20	35	554	266	820	583
1983	241	134	375	3525	302	130	432	1983	7	19	26	24	550	283	833	550
1984	269	127	396	3818	295	121	416	2236	1	10	11	78	565	258	823	613
1985	247	118	365	3795	269	131	400	2768	4	10	14	36	520	259	779	659
1986	224	109	333	3904	235	127	362	2833	7	10	17	32	466	246	712	676
1987	197	132	329	4188	234	163	397	3100	7	7	14	35	438	302	740	73
Femal	le							:.								
1980	25	8	33	1367	52	9	61	877	1	5	6	3	78	22	100	22
1981	19	13	32	1498	39	13	52	960	3	1	4	5	61	27	88	24
1982	34	10	44	1455	41	9	50	943	1	0	1	9	76	19	95	24
1983	41	12	53	1409	42	12	54	915	0	0	0	8	83	24	107	23
1984	38	13	51	1589	31	11	42	1036	0	1	1	16	69	25	94	26
1985	27	6	33	1677	41	9	50	1258	0	1	1	8	68	16	84	29
1986	13	8	21	1749	24	6	30	1387	0	0	0	8	37	14	51	31
1987	27	9	36	1842	42	15	57	1553	0	2	2	7	69	26	95	34
Total																
1980	302	136	438	4909	360	157	517	2977	5	21	26	32	667	314	981	79
1981	325	163	488	5162	348	134	482	3115	9	14	23	43	682	311	993	83
1982	310	154	464	5119	309	121	430	3081	11	10	21	44	630	285	915	82
1983	282	146	428	4934	344	142	486	2898	7	19	26	32	633	307	940	78
1984	307	140	447	5407	326	132	458	3272	1	11	12	94	634	283	917	87
1985	274	124	398	5472	310	140	450	4026	4	11	15	44	588	275	863	95
1986	237	117	354	5653	259	133	392	4220	7	10	17	40	503	260	763	99
1987	224	141	365	6030	276	178	454	4653	7	9	16	42	507	328	835	107

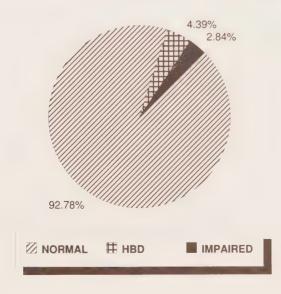
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DURHAM REGIONAL MUNICIPALITY





ELGIN

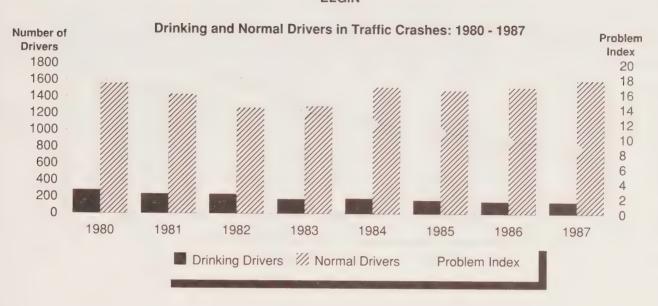
Drivers Involved in Traffic Crashes, 1980 - 1987

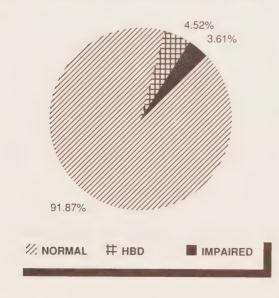
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	у		F	ata	al				Tot	al	
&									ř							11 1 L	. nga ar	: : [. · ·
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	MP	D/D	NOR	HB	D	IMP	D/D	NOR
Male																		
1980	80	43	123	671	80	34	114	418		4	4	8	7	16	64	81	245	109
1981	73	44	117	634	62	26	88	333		3	4	7	9	. 10	38	74	212	97
1982	61	34	95	621	80	30	110	251		2	2	4	8	14	13	66	209	88
1983	53	28	81	574	45	31	76	290		0	2	2	5		98	61	159	86
1984	43	36	79	711	47	30	77	306		5	2	7	17	9	95	68	163	103
1985	46	23	69	588	45	28	73	366		0	2	2	6	9	91	53	144	96
1986	38	23	61	625	39	25	64	406		0	6	6	7		77	54	131	103
1987	34	19	53	604	31	32	63	415		1	4	5	6		66	55	121	102
Fema	le																	
1980	8	3	11	261	15	7	22	199		1	0	1	0	2	24	10	34	46
1981	9	5	14	284	7	1	8	161		0	0	0	6		16	6	22	45
1982	8	2	10	248	8	3	11	136		2	0	2	3	1	8	5	23	38
1983	4	1	5	254	5	5	10	162		0	0	0	2		9	6	15	41
1984	4	4	8	321	10	2	12	161		0	0	0	3		14	6	20	48
1985	4	5	9	299	5	4	9	219		0	0	0	4		9	9	18	52
1986	6	3	9	267	4	4	8	211		0	0	0	2		0	7	17	48
1987	4	5	9	308	8	3	11	267	ř	1	0	1	4		13	8	21	57
Total																		
1980	88	46	134	932	95	41	136	617		5	4	9	7	18	38	91	279	155
1981	82	49	131	918	69	27	96	494		3	4	7	15	15	54	80	234	142
1982	69	36	105	869	88	33	121	387		4	2	6	11	16	61	71	232	126
1983	57	29	86	828	50	36	86	452		0	2	2	7	10)7	67	174	128
1984	47	40	87	1032	57	32	89	467		5	2	7	20	10	9	74	183	151
1985	50	28	78	887	50	32	82	585		0	2	2	10	10	00	62	162	148
1986	44	26	70	892	43	29	72	617		0	6	6	9	. 8	37	61	148	151
1987	38	24	62	912	39	35	74	682		2	4	6	10	7	79	63	142	160

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ELGIN





ESSEX

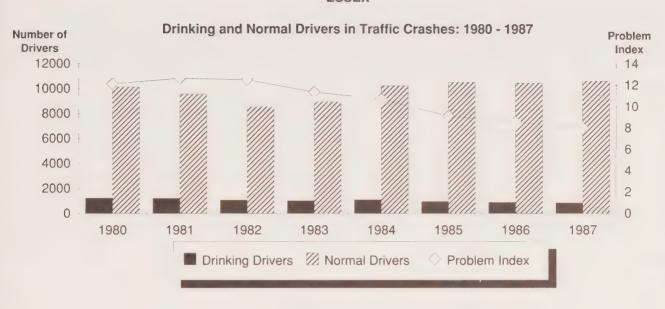
Drivers Involved in Traffic Crashes, 1980 - 1987

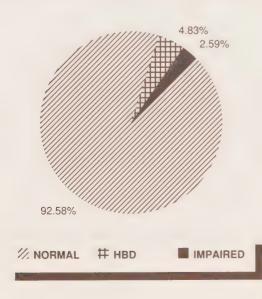
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у			Fat	al				To	tal	
& t									1									
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	IMP	D/D	NOR	<u> </u>	IBD	IMP	D/D	NOR
Male																		
1980	363	194	557	4734	400	127	527	2565		13	9	22	32		776	330	1106	733
1981	373	162	535	4312	375	135	510	2439		13	2	15	20		761	299	1060	677
1982	297	139	436	3785	385	124	509	2267		6	7	13	19		688	270	958	607
1983	294	150	444	3890	332	102	434	2392		4	12	16	28		630	264	894	631
1984	299	176	475	4468	339	153	492	2627		5	11	16	21		643	340	983	711
1985	229	139	368	4272	332	145	477	2994		9	8	17	25		570	292	862	729
1986	228	118	346	4162	277	132	409	2983		3	11	14	35		508	261	769	718
1987	236	112	348	4121	241	135	376	3014		4	11	15	24		481	258	739	715
Fema	le																	
1980	1 37	8	45	1749	54	14	68	1034		4	1	5	5		95	23	118	278
1981	58	26	84	1706	52	10	62	1074		0	1	1	6		110	37	147	278
1982	34	7	41	1535	53	15	68	942		0	2	2	9		87	24	111	248
1983	42	13	55	1587	52	12	64	1047		1	1	2	9		95	26	121	264
1984	38	16	54	1899	46	10	56	1210		0	1	1	5		84	27	111	311
1985	27	16	43	1781	40	11	51	1421		0	0	0	9		67	27	94	321
1986	29	25	54	1788	44	24	68	1474		0	2	2	6		73	51	124	326
1987	32	19	51	1909	40	20	60	1525		0	0	0	5		72	39	111	343
Total																		
1980	400	202	602	6483	454	141	595	3599		17	10	27	37		871	353	1224	1011
1981	431	188	619	6018	427	145	572	3513		13	3	16	26		871	336	1207	955
1982	331	146	477	5320	438	139	577	3209		6	9	15	28		775	294	1069	855
1983	336	163	499	5477	384	114	498	3439		5	13	18	37		725	290	1015	895
1984	337	192	529	6367	385	163	548	3837		5	12	17	26		727	367	1094	1023
1985	256	155	411	6053	372	156	528	4415		9	8	17	34		637	319	956	1050
1986	257	143	400	5950	321	156	477	4457		3	13	16	41		581	312	893	1044
1987	268	131	399	6030	281	155	436	4539		4	11	15	29		553	297	850	1059

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ESSEX





FRONTENAC

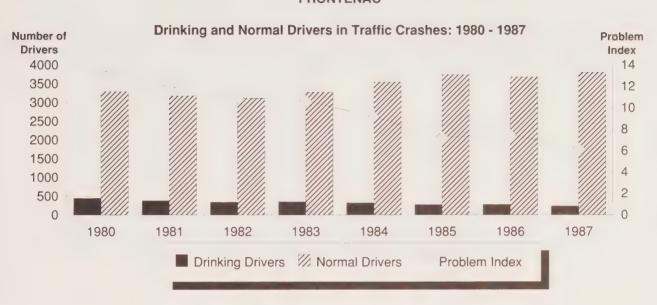
Drivers Involved in Traffic Crashes, 1980 - 1987

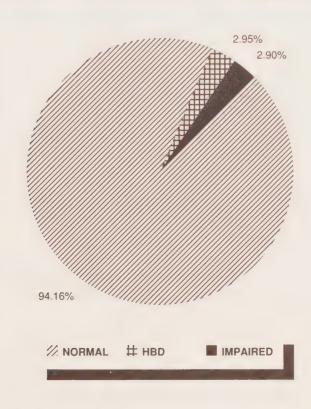
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	У		Fa	tal			То	tal	
&																15 1151.11
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBI	O IMP	D/D	NOR	HBD	IMP	D/D	NOF
Male								 								
1980	137	77	214	1539	118	69	187	787		0 3	3	15	255	149	404	234
1981	106	63	169	1453	101	60	161	783		1 3	3 4	7	208	126	334	22
1982	103	63	166	1429	75	61	136	728	. (0 7	7 7	3	178	131	309	21
1983	96	58	154	1515	99	50	149	774		3 2	2 5	13	198	110	308	23
1984	86	56	142	1659	83	61	144	838		0 3	3	6	169	120	289	250
1985	70	46	116	1689	71	41	112	951		3 2	2 5	11	144	89	233	26
1986	53	61	114	1584	72	51	123	902		1 7	7 8	14	126	119	245	25
1987	48	59	107	1595	51	42	93	983		0 6	6	10	99	107	206	25
Fema	le															
1980	18	6	24	596	14	3	17	355		0 0	0	1	32	9	41	9
1981	12	5	17	588	23	6	29	338		0 0	0	3	35	11	46	9
1982	16	6	22	616	9	1	10	339		0 0	0	0	25	7	32	9
1983	16	4	20	642	15	6	21	322		0 0	0	5	31	10	41	9
1984	9	3	12	640	14	7	21	400		2 0) 2	2	25	10	35	10
1985	14	4	18	666	15	6	21	426		0 0	0	1	29	10	39	10
1986	5	9	14	710	11	5	16	464		0 1	1	7	16	15	31	11
1987	10	6	16	728	10	4	14	484		0 0	0	2	20	10	30	12
Total																
1980	155	83	238	2135	132	72	204	1142		0 3	3	16	287	158	445	32
1981	118	68	186	2041	124	66	190	1121		1 3		10	243	137	380	31
1982	119	69	188	2045	84	62	146	1067		0 7	7	3	203	138	341	31
1983	112	62	174	2157	114	56	170	1096		3 2			229	120	349	32
1984	95	59	154	2299	97	68	165	1238	1	2 3	3 5		194	130	324	35
1985	84	50	134	2355	86	47	133	1377		3 2		1.0	173	99	272	37
1986	58	70	128	2294	83	56	139	1366		1 8	9	10	142	134	276	36
1987	58	65	123	2323	61	46	107	1467	-	0 6	6		119	117	236	38

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP







GLENGARRY

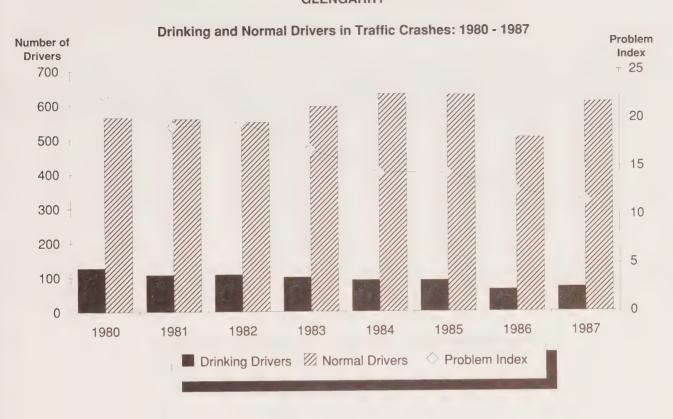
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fa	atal				To	tal	
&									1				1 1				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HE	BD IMF	P D/D	NOR		HBD	IMP	D/D	NOR
Male																	
1980	44	10	54	293	46	13	59	142		2	2 4	3		92	25	117	43
1981	42	7	49	271	36	10	46	146		4	0 4	7		82	17	99	42
1982	36	6	42	290	48	6	54	129		0	5 5	3		84	17	101	4:
1983	37	8	45	300	41	10	51	136		0	1 1	5		78	19	97	4
1984	39	5	44	326	28	11	39	144		0	2 2	3		67	18	85	4
1985	25	14	39	310	35	7	42	160		0	0 0	2		60	21	81	4
1986	29	5	34	236	17	6	23	123		1	1 2	2		47	12	59	3
1987	29	4	33	260	17	9	26	152		3	0 3	4		49	13	62	4
Femal	le																
1980	4	1	5	84	3	1	4	42	 	1	0 1	0		8	2	10	1
1981	5	0	5	88	2	1	3	47		0	0 0	0		7	1	8	1
1982	5	0	5	76	2	0	2	52		0	0 0	0		7	0	7	1
1983	2	0	2	89	1	0	1	65		0	0 0	0		3	0	3	1
1984	3	0	3	104	3	0	3	53		0	0 0	1		6	0	6	1
1985	3	1	4	103	4	0	4	53		0	1 1	0		7	2	9	1
1986	2	0	2	90	2	0	2	53		0	0 0	0		4	0	4	1
1987	Ö	0	0	123	5	2	7	68		0	1 1	0		5	3	8	1
Total								:									
1980	48	11	59	377	49	14	63	184		3	2 5	3		100	27	127	5
1981	47	7	54	359	38	11	49	193		4	0 4	7		89	18	107	5
1982	41	6	47	366	50	6	56	181		0	5 5	3		91	17	108	5
1983	39	8	47	389	42	10	52	201		0	1 1	5		81	19	100	5
1984	42	5	47	430	31	11	42	197		0	2 2	4		73	18	91	6
1985	28	15	43	413	39	7	46	213		0	1 1	2		67	23	90	6
1986	31	5	36	326	19	6	25	176		1	1 2	2	100	51	12	63	5
1987	29	4	33	383	22	11	33	220		3	1 4	4	i r	54	16	70	6

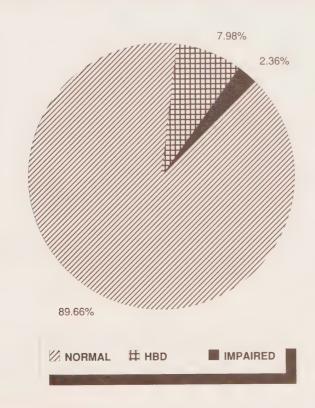
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GLENGARRY



Condition of Drivers Involved in Traffic Crashes: 1987



GRENVILLE

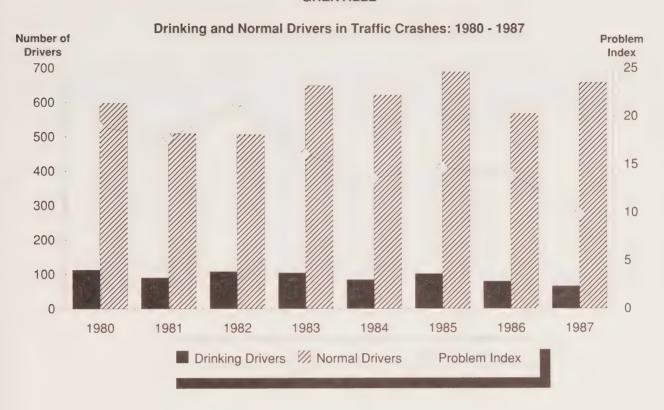
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		F	-at	al				Tot	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD II	MP	D/D 1	IOR	Н	3D	IMP	D/D	NOR
Male				:														
1980	39	12	51	281	38	11	49	144		2	3	5	8		79	26	105	43
1981	22	11	33	246	37	9	46	119		1	0	1	8		60	20	80	3
1982	33	13	46	247	31	16	47	109		1	3	4	3		65	32	97	3
1983	32	11	43	312	33	10	43	134		1	2	3	8	ii ii	66	23	89	4
1984	21	8	29	293	33	12	45	139		0	2	2	3		54	22	76	4
1985	33	8	41	315	31	8	39	158		1	2	3	10		65	18	83	4
1986	33	3	36	258	27	8	35	129		1	0	1	4		61	11	72	3
1987	19	11	30	297	24	3	27	146		0	3	3	7		43	17	60	4
Femal	le				:									Ä				
1980	4	3	7	102	1	0	1	62		0	0	0	1		5	3	8	1
1981	3	1	4	91	5	0	5	44		0	1	1	1		8	2	10	1
1982	4	2	6	102	3	2	5	44		0	0	0	1		7	4	11	1
1983	4	2	6	134	8	1	9	59		0	0	0	1		12	3	15	1
1984	4	0	4	120	3	1	4	64		0	0	0	2		7	1	8	
1985	5	0	5	133	13	0	13	71		0	0	0	2		18	0	18	2
1986	2	0	2	110	5	0	5	66	1	0	0	0	0		7	0	7	
1987	1	1	2	114	2	0	2	92		1	0	1	2		4	1	5	2
Total								- - - -	. 32									
1980	43	15	58	383	39	11	50	206		2	3	5	9		84	29	113	5
1981	25	12	37	337	42	9	51	163		1	1	2	9		68	22	90	5
1982	37	15	52	349	34	18	52	153		1	3	4	4		72	36	108	5
1983	36	13	49	446	41	11	52	193		1	2	3	9		78	26	104	6
1984	25	8	33	413	36	13	49	203		0	2	2	5		61	23	84	6
1985	38	8	46	448	44	8	52	229		1	2	3	12	:	83	18	101	6
1986	35	3	38	368	32	8	40	195		1	0	1	4		68	11	79	5
1987	20	12	32	411	26	3	29	238 :		1	3	4	9		47	18	65	Е

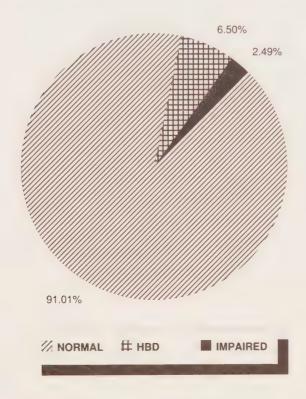
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GRENVILLE



Condition of Drivers Involved in Traffic Crashes: 1987



GREY

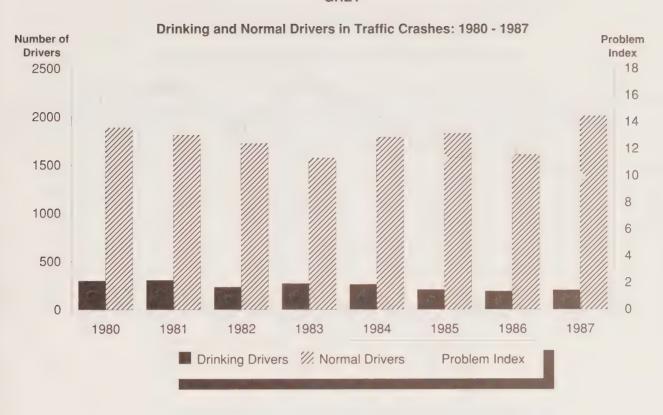
Drivers Involved in Traffic Crashes, 1980 - 1987

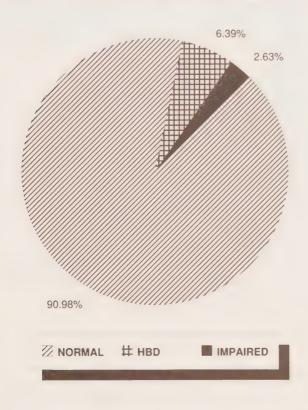
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		F	ata	al			To	tal	
&									_								
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	-	HBD II	MP	D/D	NOR	HBD	IMP	D/D	NOF
Male																	
1980	88	43	131	867	99	38	137	461		4	0	4	7	191	81	272	133
1981	110	40	150	853	96	27	123	428		3	1	4	12	209	68	277	129
1982	80	31	111	840	73	25	98	379		3	4	7	5	156	60	216	122
1983	80	38	118	756	96	28	124	381		3	5	8	8	179	71	250	114
1984	69	40	109	823	93	22	115	362		1	7	8	6	163	69	232	119
1985	51	28	79	813	76	29	105	437		4	2	6	15	131	59	190	126
1986	43	17	60	691	78	27	105	397		2	5	7	5	123	49	172	109
1987	56	20	76	833	66	28	94	502		2	0	2	11	124	48	172	134
Fema	le																
1980	4	0	4	349	17	4	21	194		0	1	1	8	21	5	26	55
1981	9	3	12	319	14	1	15	195		0	1	1	2	23	5	28	51
1982	8	0	8	329	8	1	9	168		0	0	0	1	16	1	17	49
1983	7	3	10	264	9	1	10	155		0	0	0	4	16	4	20	42
1984	8	3	11	387	16	1	17	203		0	0	0	5	24	4	28	59
1985	4	4	8	331	5	1	6	228		0	1	1	1	9	6	15	56
1986	3	5	8	336	4	3	7	173		1	0	1	3	8	8	16	5
1987	3	6	9	437	14	3	17	221		0	1	1	2	17	10	27	66
Total																	
1980	92	43	135	1216	116	42	158	655		4	1	5	15	212	86	298	188
1981	119	43	162	1172	110	28	138	623		3	2	5	14	232	73	305	180
1982	88	31	119	1169	81	26	107	547		3	4	7	6	172	61	233	172
1983	87	41	128	1020	105	29	134	536		3	5	8	12	195	75	270	156
1984	77	43	120	1210	109	23	132	565		1	7	8	11	187	73	260	178
1985	55	32	87	1144	81	30	111	665		4	3	7	16	140	65	205	18
1986	46	22	68	1027	82	30	112	570		3	5	8	8	131	57	188	160
1987	59	26	85	1270	80	31	111	723		2	1	3	13	141	58	199	200

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GREY





HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

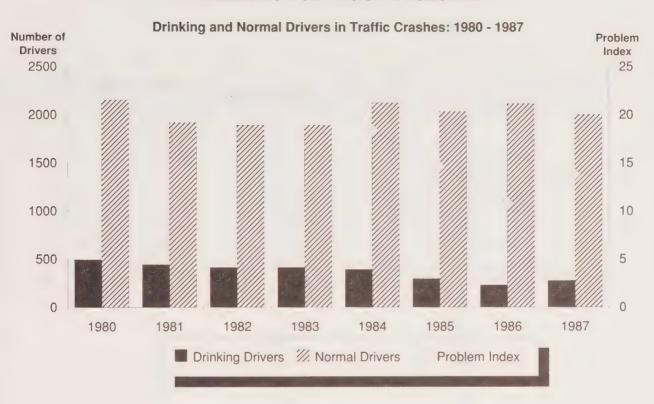
Year &	Prop	perty	Dama	age	Pe	rsona	l Injur	y		- 1	Fata	al			То	tal	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	F	HBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
1980	155	49	204	956	173	46	219	533		10	5	15	14	338	100	438	150
1981	151	51	202	869	180	25	205	480		0	3	3	15	331	79	410	136
1982	142	36	178	866	156	32	188	480		6	6	12	10	304	74	378	13
1983	113	43	156	814	166	36	202	492		4	10	14	10	283	89	372	13
1984	118	38	156	906	163	24	187	527		8	6	14	21	289	68	357	14
1985	77	35	112	909	114	25	139	473		4	6	10	17	195	66	261	13
1986	68	21	89	915	79	36	115	509		3	2	5	12	150	59	209	14
1987	80	27	107	777	91	30	121	526	-	5	7	12	15	176	64	240	13
Femal	ı	4	4.5	100	000	0	00	000		0		0		45	4.4	50	
1980	11	4	15	406	32	6	38	238		2	1	3	4	45	11	56	6
1981	9	4	13	342	18	3	21	207		0	0	0	3	27	7	34	5
1982	15	4	19	307	11	3	14	223		1	0	1	4	27	7	34	5
1983	16	1	17	345	21	1	22	223		1	1	2	6	38	3	41	5
1984	15	3	18	410	14	2	16	253		1	0	1	5	30	5	35	6
1985	15	3	18	390	15	2	17	241		0	0	0	2	30	5	35	6
1986	5	3	8	393	11	1	12	277		0	1	1	7	16	5	21	6
1987	13	1	14	386	20	2	22	293		0	0	0	3	33	3	36	6
Total																	
1980	166	53	219	1362	205	52	257	771		12	6	18	18	383	111	494	21
1981	160	55	215	1211	198	28	226	687		0	3	3	18	358	86	444	19
1982	157	40	197	1173	167	35	202	703		7	6	13	14	331	81	412	18
1983	129	44	173	1159	187	37	224	715		5	11	16	16	321	92	413	18
1984	133	41	174	1316	177	26	203	780		9	6	15	26	319	73	392	21
1985	92	38	130	1299	129	27	156	714		4	6	10	19	225	71	296	20
1986	73	24	97	1308	90	37	127	786		3	3	6	19	166	64	230	21
1987	93	28	121	1163	111	32	143	819		5	7	12	18	209	67	276	20

KEY: HBD -- Drivers reported by police to have been drinking

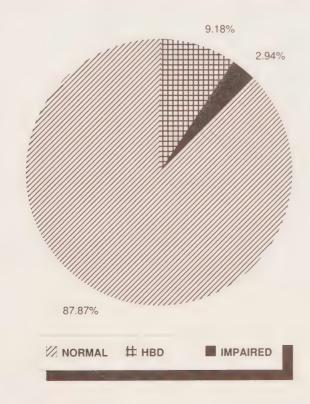
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALDIMAND-NORFOLK REGIONAL MUNICIPALITY



Condition of Drivers Involved in Traffic Crashes: 1987



HALIBURTON

Drivers Involved in Traffic Crashes, 1980 - 1987

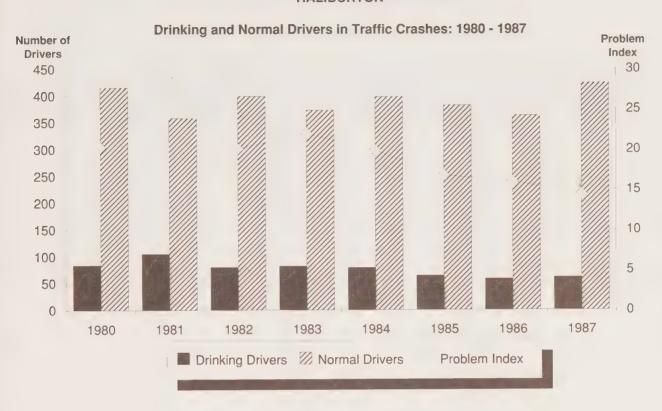
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	У		F	ata	al				To	tal	
&									1. 5° 1. 24									
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	MP	D/D I	NOR	HE	3D	IMP	D/D	NOF
Male								:										
1980	27	5	32	210	30	6	36	101		5	3	8	5		62	14	76	3
1981	34	10	44	181	36	12	48	83		0	1	1	0		70	23	93	26
1982	25	4	29	185	. 34	10	44	101		0	0	0	2		59	14	73	2
1983	34	8	42	179	25	4	29	92		0	2	2	2		59	14	73	2
1984	20	6	26	202	33	6	39	85		1	1	2	2		54	13	67	2
1985	20	4	24	191	21	8	29	78		2	1	3	3		43	13	56	2
1986	18	4	22	167	24	5	29	94		2	1	3	1		44	10	54	2
1987	29	4	33	214	12	6	18	99		2	1	3	1		43	11	54	3
Fema	le							:										
1980	4	0	4	55	3	0	3	44		1	0	1	0		8	0	8	
1981	6	2	8	49	3	1	4	43		0	0	0	2		9	3	12	
1982	2	0	2	65	2	2	4	45		0	1	1	1		4	3	7	1
1983	2	0	2	62	6	1	7	37		0	0	0	1		8	1	9	1
1984	3	1	4	75	5	2	7	34		1	0	1	0		9	3	12	1
1985	2	0	2	60	5	0	5	49		1	0	1	1		8	0	8	1
1986	0	1	1	60	3	0	3	41		0	0	0	0		3	1	4	1
1987	2	0	2	67	5	0	5	41		0	0	0	1		7	0	7	1
Total																		
1980	31	5	36	265	33	6	39	145		6	3	9	5		70	14	84	4
1981	40	12	52	230	39	13	52	126		0	1	1	2		79	26	105	3
1982	27	4	31	250	36	12	48	146		0	1	1	3		63	17	80	3
1983	36	8	44	241	31	5	36	129		0	2	2	3		67	15	82	3
1984	23	7	30	277	38	8	46	119		2	1	3	2		63	16	79	3
1985	22	4	26	251	26	8	34	127		3	1	4	4		51	13	64	3
1986	18	5	23	227	27	5	32	135		2	1	3	1		47	11	58	3
1987	31	4	35	281	17	6	23	140	Ų.	2	1	3	2		50	11	61	4

KEY: HBD -- Drivers reported by police to have been drinking

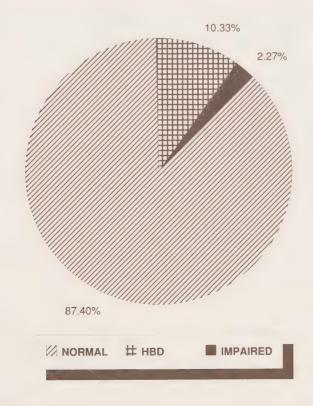
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALIBURTON



Condition of Drivers Involved in Traffic Crashes: 1987



HALTON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

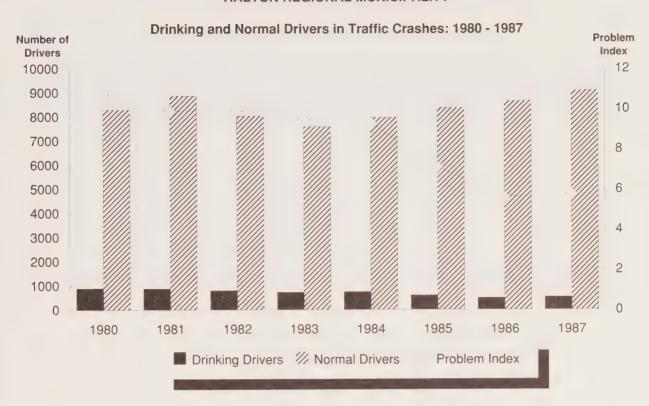
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у			Fat	al			To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	Н	IBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
1980	260	116	376	3922	296	113	409	1974		10	11	21	28	566	240	806	592
1981	262	142	404	3929	259	103	362	2314		7	9	16	19	528	254	782	626
1982	236	111	347	3718	274	94	368	1883		4	6	10	19	514	211	725	562
1983	216	96	312	3278	202	96	298	1855		6	11	17	22	424	203	627	515
1984	230	116	346	3491	189	106	295	2020		4	12	16	32	423	234	657	554
1985	178	74	252	3694	161	92	253	2030		7	8	15	15	346	174	520	573
1986	112	91	203	3525	114	85	199	2343		6	9	15	25	232	185	417	589
1987	108	96	204	3793	127	124	251	2270	13	7	8	15	30	242	228	470	609
Fema	le																
1980	25	11	36	1506	36	13	49	855		1	0	1	6	62	24	86	23
1981	34	10	44	1600	36	12	48	983		1	0	1	5	71	22	93	25
1982	26	5	31	1562	30	8	38	845		0	0	0	2	56	13	69	24
1983	36	10	46	1487	38	6	44	927		0	0	0	5	74	16	90	24
1984	32	11	43	1529	30	9	39	886		1	0	1	8	63	20	83	24
1985	29	13	42	1608	25	5	30	1016		1	0	1	3	55	18	73	26
1986	19	4	23	1612	27	15	42	1134		1	0	1	7	47	19	66	27
1987	16	9	25	1805	21	9	30	1170	: :-	0	0	0	8	 37	18	55	29
Total																	
1980	285	127	412	5428	332	126	458	2829		11	11	22	34	628	264	892	82
1981	296	152	448	5529	295	115	410	3297		8	9	17	24	599	276	875	88
1982	262	116	378	5280	304	102	406	2728		4	6	10	21	570	224	794	80
1983	252	106	358	4765	240	102	342	2782		6	11	17	27	498	219	717	75
1984	262	127	389	5020	219	115	334	2906		5	12	17	40	486	254	740	79
1985	207	87	294	5302	186	97	283	3046		8	8	16	18	401	192	593	83
1986	131	95	226	5137	141	100	241	3477		7	9	16	32	279	204	483	86
1987	124	105	229	5598	148	133	281	3440	_	7	8	15	38	279	246	525	90

KEY: HBD -- Drivers reported by police to have been drinking

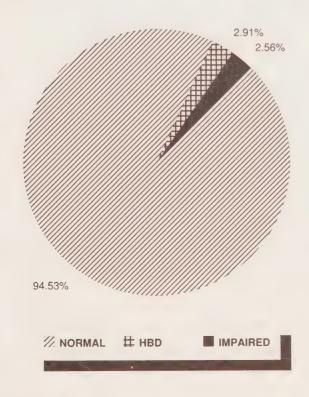
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALTON REGIONAL MUNICIPALITY



Condition of Drivers Involved in Traffic Crashes: 1987



HAMILTON-WENTWORTH REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

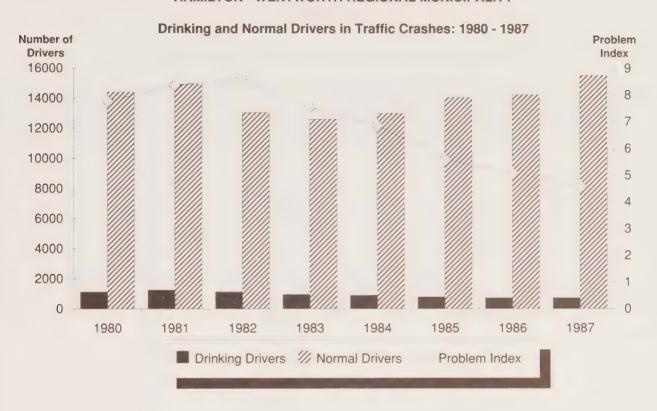
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	у			Fat	al			То	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	Ī	HBD I		D/D	NOR	HBD	IMP	D/D	NOF
Sex	IHRD	TIVIP	ט/ט	NOR	HBD	IIVIP	ט/ט	NOR	-	HRD I	IIVIP	ט/ט	NOR	ПВП	HVIF	טוט	NOF
Male																	
1980	307	191	498	6658	350	168	518	4219		10	12	22	39	667	371	1038	109
1981	313	231	544	6902	394	178	572	4334		10	6	16	34	717	415	1132	112
1982	307	197	504	5991	335	158	493	3673		5	11	16	32	647	366	1013	96
1983	251	150	401	5639	316	128	444	3609		5	9	14	22	572	287	859	92
1984	252	163	415	5742	236	137	373	3682		7	9	16	36	495	309	804	94
1985	181	141	322	5788	228	155	383	4343	-	5	10	15	32	414	306	720	101
1986	160	130	290	5549	175	175	350	4511		5	7	12	37	340	312	652	100
1987	160	130	290	5967	173	160	333	4992	-	7	12	19	39	340	302	642	109
Fema	le																
1980	26	9	35	2071	34	10	44	1402		1	0	1	9	61	19	80	34
1981	27	16	43	2146	58	14	72	1517		0	1	1	4	85	31	116	36
1982	45	19	64	1969	34	13	47	1355		1	0	1	7	80	32	112	33
1983	28	7	35	1974	42	13	55	1352		0	1	1	8	70	21	91	33
1984	19	22	41	2143	27	19	46	1384		0	1	1	7	46	42	88	35
1985	13	11	24	2206	25	18	43	1687		1	0	1	4	39	29	68	38
1986	26	10	36	2229	19	16	35	1904		0	0	0	13	45	26	71	41
1987	25	9	34	2333	28	12	40	2183		0	2	2	5	53	23	76	45
Total																	
1980	333	200	533	8729	384	178	562	5621		11	12	23	48	728	390	1118	143
1981	340	247	587	9048	452	192	644	5851		10	7	17	38	802	446	1248	149
1982	352	216	568	7960	369	171	540	5028		6	11	17	39	727	398	1125	130
1983	279	157	436	7613	358	141	499	4961		5	10	15	30	642	308	950	126
1984	271	185	456	7885	263	156	419	5066		7	10	17	43	541	351	892	129
1985	194	152	346	7994	253	173	426	6030		6	10	16	36	453	335	788	140
1986	186	140	326	7778	194	191	385	6415		5	7	12	50	385	338	723	142
1987	185	139	324	8300	201	172	373	7175	L	7	14	21	44	393	325	718	155

KEY: HBD -- Drivers reported by police to have been drinking

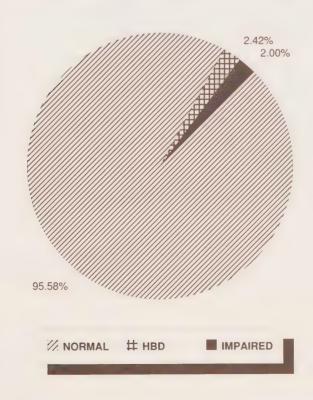
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HAMILTON - WENTWORTH REGIONAL MUNICIPALITY



Condition of Drivers Involved in Traffic Crashes: 1987



HASTINGS

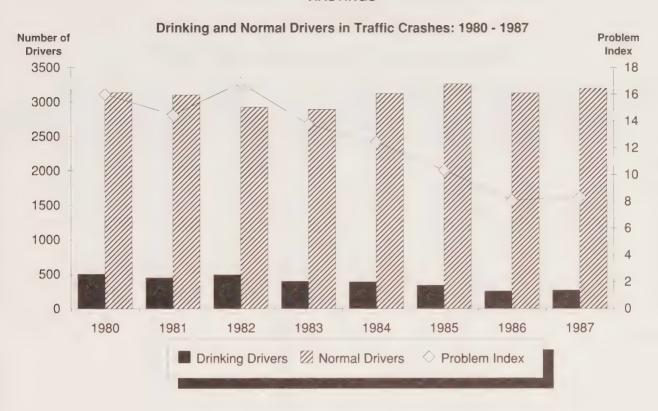
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	ar Property Damage				Pe	rsona	l Injur	y			Fat	al			Total				
&									1	14.1				-		····			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP	D/D	NOR	НВ	D II	MР	D/D	NOR	
Male																			
1980	164	53	217	1563	157	61	218	705	: :	5	7	12	17	32	26 1	121	447	228	
1981	145	81	226	1526	121	49	170	692		5	7	12	16	27	1 1	137	408	223	
1982	165	84	249	1471	132	62	194	599		6	5	11	25	30	3 1	151	454	209	
1983	106	62	168	1354	104	67	171	673		4	6	10	12	21	4 1	135	349	203	
1984	114	70	184	1432	100	53	153	716		5	9	14	17	21	9 1	132	351	216	
1985	77	43	120	1413	104	53	157	797		8	6	14	9	18	9 1	102	291	221	
1986	58	43	101	1395	74	41	115	702		4	5	9	12	13	6	89	225	210	
1987	79	32	111	1337	74	47	121	745		1	9	10	19	15	4	88	242	210	
Femal	le																		
1980	21	9	30	540	19	5	24	301		0	0	0	7	4	0	14	54	84	
1981	12	5	17	567	19	3	22	293		1	0	1	5	3	2	8	40	86	
1982	13	4	17	563	17	4	21	259		0	0	0	4	3	0	8	38	82	
1983	25	5	30	565	13	3	16	281		2	0	2	4	4	0	8	48	85	
1984	15	5	20	654	11	3	14	296		2	1	3	7	2	18	9	37	95	
1985	11	6	17	669	19	9	28	365		1	0	1	8	3	1	15	46	104	
1986	12	1	13	643	10	4	14	372		0	1	1	3	2	2	6	28	101	
1987	5	4	9	644	12	2	14	446		1	0	1	3	1	8	6	24	109	
Total								*** ***											
1980	185	62	247	2103	176	66	242	1006		5	7	12	24	36	6 1	135	501	313	
1981	157	86	243	2093	140	52	192	985		6	7	13	21	30	3 1	145	448	309	
1982	178	88	266	2034	149	66	215	858		6	5	11	29	33	3 1	159	492	292	
1983	131	67	198	1919	117	70	187	954		6	6	12	16	25	4 1	143	397	288	
1984	129	75	204	2086	111	56	167	1012		7	10	17	24	24	7 1	141	388	312	
1985	88	49	137	2082	123	62	185	1162		9	6	15	17	22	0 1	117	337	326	
1986	70	44	114	2038	84	45	129	1074		4	6	10	15	15	8	95	253	312	
1987	84	36	120	1981	86	49	135	1191		2	9	11	22	17	2	94	266	319	

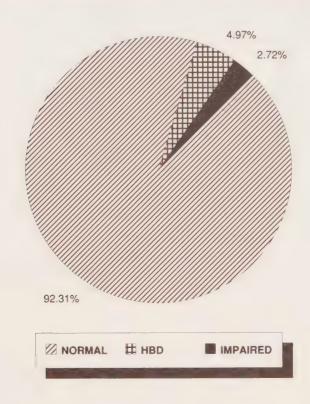
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HASTINGS



Condition of Drivers Involved in Traffic Crashes: 1987



HURON

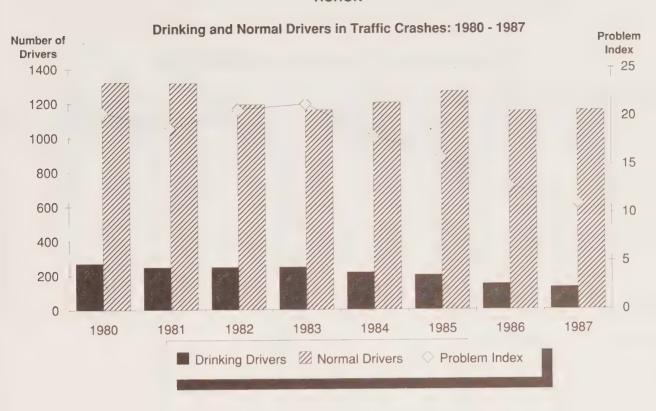
Drivers Involved in Traffic Crashes, 1980 - 1987

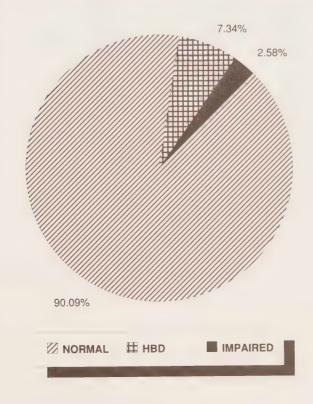
Year	Prop	perty	Dama	age		Per	rsona	l Injur	у		F	ata	1		Total				
& c										7		1 11 1 1/2			1 1 1 12				
Sex	HBD	IMP	D/D	NOR	Н	IBD	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOF	
Male																			
1980	111	10	121	693		105	10	115	264		5	1	6	6	221	21	242	96	
1981	97	17	114	650		102	7	109	315		3	2	5	9	202	26	228	9	
1982	111	17	128	597		84	9	93	252		4	2	6	15	199	28	227	8	
1983	92	14	106	571		101	14	115	245		2	6	8	5	195	34	229	8	
1984	77	9	86	584		87	13	100	235		4	5	9	8	168	27	195	8	
1985	75	15	90	572		70	12	82	288		1	4	5	7	146	31	177	8	
1986	46	16	62	491		49	17	66	238		1	5	6	6	96	38	134	7	
1987	47	14	61	452		42	13	55	291		0	1	1	8	89	28	117	7	
Femal					A constant														
1980	16	1	17	235		10	0	10	120		1	0	1	3	27	1	28	3	
1981	9	1	10	230	. 1	9	0	9	111		0	0	0	0	18	1	19	3	
1982	11	1	12	229		6	0	6	94		1	1	2	3	18	2	20	3	
1983	7	0	7	223		9	2	11	112		0	0	0	3	16	2	18	3	
1984	7	2	9	254	14	9	1	10	114		0	2	2	6	16	5	21	3	
1985	10	1	11	256		11	0	11	140		0	1	1	2	21	2	23	3	
1986	4	1	5	253	L	5	3	8	157	1	0	0	0	5	9	4	13	4	
1987	3	4	7	235		2	0	2	164		0	1	1	4	5	5	10	4	
Total																			
1980	127	11	138	928		115	10	125	384		6	1	7	9	248	22	270	13	
1981	106	18	124	880		111	7	118	426		3	2	5	9	220	27	247	13	
1982	122	18	140	826		90	9	99	346		5	3	8	18	217	30	247	11	
1983	99	14	113	794		110	16	126	357		2	6	8	8	211	36	247	11	
1984	84	11	95	838		96	14	110	349		4	7	11	14	184	32	216	12	
1985	85	16	101	828		81	12	93	428		1	5	6	9	167	33	200	12	
1986	50	17	67	744		54	20	74	395		1	5	6	11	105	42	147	11	
1987	50	18	68	687		44	13	57	455	7	0	2	2	12	94	33	127	11	

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HURON





KENORA

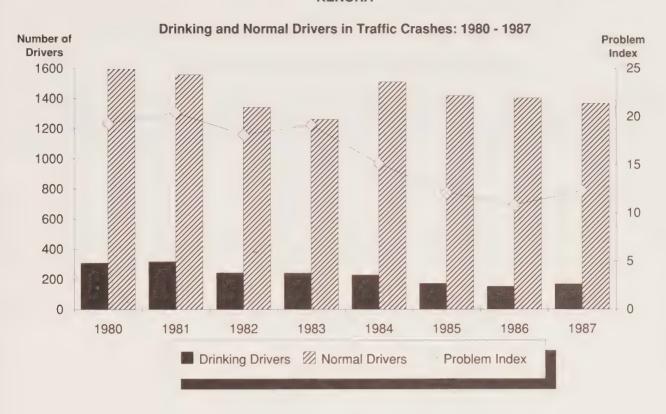
Drivers Involved in Traffic Crashes, 1980 - 1987

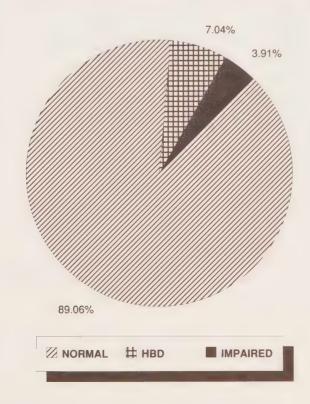
Year	Prop	perty	Dama	age	Pe		F	ata	al			Total					
& c					13.1.22	1 :											
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD II	MP	D/D	NOR	HBD	IMP	D/D	NOF
Male																	
1980	101	47	148	840	78	43	121	378		4	6	10	21	183	96	279	123
1981	131	42	173	855	65	42	107	337		3	4	7	20	199	88	287	12
1982	90	40	130	779	56	29	85	250		0	2	2	9	146	71	217	10
1983	76	42	118	711	53	35	88	234		0	3	3	11	129	80	209	9
1984	74	37	111	846	65	32	97	288		0	2	2	12	139	71	210	11
1985	48	22	70	746	35	32	67	334		3	5	8	9	86	59	145	10
1986	42	31	73	725	36	22	58	307		2	2	4	13	80	55	135	10
1987	41	26	67	652	49	18	67	336		3	4	7	14	93	48	141	10
Fema	le																
1980	12	6	18	230	8	2	10	123		0	1	1	3	20	9	29	3
1981	14	3	17	229	11	2	13	113		0	0	0	2	25	5	30	3
1982	8	7	15	194	7	4	11	108		0	0	0	1	15	11	26	3
1983	11	7	18	203	6	7	13	99		0	- 1	1	2	17	15	32	3
1984	7	4	11	246	3	2	5	117		1	1	2	0	11	7	18	3
1985	9	5	14	233	10	2	12	94		0	1	1	2	19	8	27	3
1986	5	2	7	230	6	3	9	128		0	1	1	0	11	6	17	3
1987	7	8	15	217	8	4	12	147		0	0	0	1	15	12	27	3
Total																	
1980	113	53	166	1070	86	45	131	501		4	7	11	24	203	105	308	15
1981	145	45	190	1084	76	44	120	450		3	4	7	22	224	93	317	15
1982	98	47	145	973	63	33	96	358		0	2	2	10	161	82	243	13
1983	87	49	136	914	59	42	101	333		0	4	4	13	146	95	241	12
1984	81	41	122	1092	68	34	102	405		1	3	4	12	150	78	228	15
1985	57	27	84	979	45	34	79	428		3	6	9	11	105	67	172	14
1986	47	33	80	955	42	25	67	435		2	3	5	13	91	61	152	14
1987	48	34	82	869	57	22	79	483	u Vita	3	4	7	15	108	60	168	13

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

KENORA





KENT

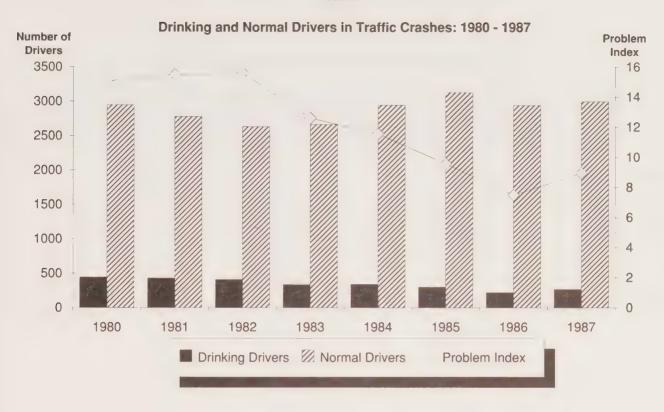
Drivers Involved in Traffic Crashes, 1980 - 1987

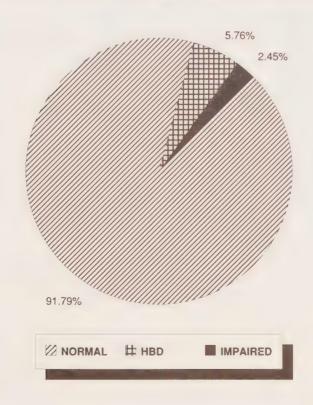
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у			Fat	al			Total					
&									20						- 11.		1 .			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		
Male																				
1980	148	53	201	1304	159	40	199	733		5	1	6	11		312	94	406	204		
1981	158	55	213	1234	134	28	162	659		0	11	11	11	**	292	94	386	190		
1982	117	46	163	1228	154	44	198	593		2	4	6	7		273	94	367	182		
1983	81	54	135	1160	126	36	162	682		2	8	10	6		209	98	307	184		
1984	88	41	129	1297	128	35	163	721		4	8	12	9		220	84	304	202		
1985	67	37	104	1318	98	48	146	835		3	4	7	17		168	89	257	217		
1986	55	31	86	1217	75	33	108	755		2	5	7	8		132	69	201	198		
1987	73	27	100	1155	88	39	127	802	ř	4	3	7	10		165	69	234	190		
Femal	le																			
1980	13	2	15	562	17	3	20	331		3	0	3	7		33	5	38	9		
1981	16	4	20	543	19	1	20	326		1	3	4	4		36	8	44	8		
1982	7	5	12	519	24	4	28	280		0	3	3	2		31	12	43	8		
1983	8	3	11	524	13	3	16	284		1	0	1	5		22	6	28	8		
1984	15	4	19	583	12	5	17	333		0	0	0	2		27	9	36	9		
1985	16	6	22	526	17	3	20	426		0	0	0	4		33	9	42	9		
1986	7	4	11	565	7	1	8	391		0	0	0	4		14	5	19	9		
1987	9	6	15	600	13	5	18	423		1	0	1	5		23	11	34	10		
Total																				
1980	161	55	216	1866	176	43	219	1064		8	1	9	18		345	99	444	29		
1981	174	59	233	1777	153	29	182	985		1	14	15	15		328	102	430	27		
1982	124	51	175	1747	178	48	226	873		2	7	9	9		304	106	410	26		
1983	89	57	146	1684	139	39	178	966		3	8	11	11		231	104	335	26		
1984	103	45	148	1880	140	40	180	1054		4	8	12	11		247	93	340	29		
1985	83	43	126	1844	115	51	166	1261		3	4	7	21		201	98	299	31		
1986	62	35	97	1782	82	34	116	1146		2	5	7	12		146	74	220	29		
1987	82	33	115	1755	101	44	145	1225		5	3	8	15		188	80	268	29		

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

KENT





LAMBTON

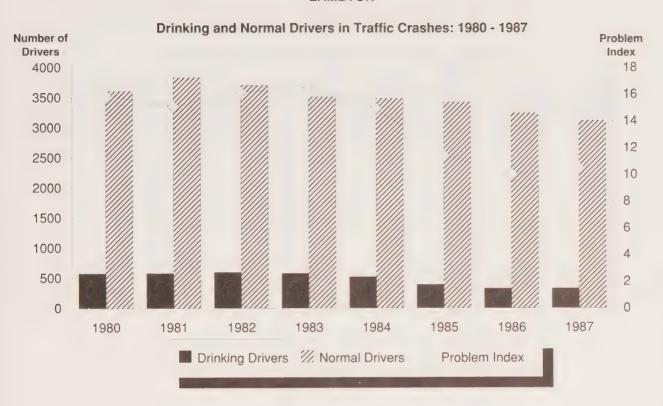
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Pe		1	Fat	al			Total						
& t							1, 1	12.12	,	.14	<u>.</u> .	1,1					i.	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	-	IBD I	MP	D/D I	NOR	HBI	NI C	/IP	D/D	NOF
Male								:										
1980	179	74	253	1717	196	55	251	810		6	12	18	11	38	1 1	41	522	25
1981	181	66	247	1828	209	46	255	800		4	8	12	16	39	4 1	20	514	26
1982	205	70	275	1699	189	58	247	784		4	3	7	15	39	8 1	31	529	24
1983	204	58	262	1575	193	38	231	780		5	7	12	16	40	2 1	03	505	23
1984	164	49	213	1598	184	48	232	713		1	5	6	7	34	9 1	02	451	23
1985	101	45	146	1461	146	45	191	805		2	0	2	12	24	9	90	339	22
1986	91	25	116	1319	116	44	160	769	L	2	3	5	12	20	9	72	281	21
1987	95	43	138	1284	106	27	133	702		2	5	7	7	20	3	75	278	19
Fema	le																	
1980	14	6	20	688	29	3	32	377		0	0	0	1	4	3	9	52	10
1981	27	7	34	814	24	5	29	369		0	2	2	5	5	1	14	65	11
1982	28	3	31	771	32	4	36	425		1	1	2	5	6	1	8	69	12
1983	26	10	36	769	32	6	38	367		0	0	0	3	5	8	16	74	11
1984	32	7	39	782	25	4	29	381		0	1	1	2	5	7	12	69	11
1985	22	4	26	755	24	2	26	391		0	0	0	0	4	6	6	52	11
1986	14	6	20	688	18	6	24	446	L	0	1	1	8	3	2	13	45	11
1987	17	6	23	663	19	6	25	453		0	0	0	8	3	6	12	48	11
Total																		
1980	193	80	273	2405	225	58	283	1187		6	12	18	12	42	4 1	150	574	36
1981	208	73	281	2642	233	51	284	1169		4	10	14	21	44		134	579	38
1982	233	73	306	2470	221	62	283	1209		5	4	9	20	45	9 1	139	598	36
1983	230	68	298	2344	225	44	269	1147		5	7	12	19	46	0 1	119	579	35
1984	196	56	252	2380	209	52	261	1094		1	6	7	9	40	6 1	114	520	34
1985	123	49	172	2216	170	47	217	1196		2	0	2	12	29	5	96	391	34
1986	105	31	136	2007	134	50	184	1215	L	2	4	6	20	24	1	85	326	32
1987	112	49	161	1947	125	33	158	1155		2	5	7	15	23	9	87	326	31

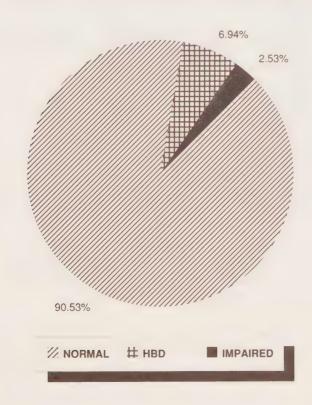
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LAMBTON



Condition of Drivers Involved in Traffic Crashes: 1987



LANARK

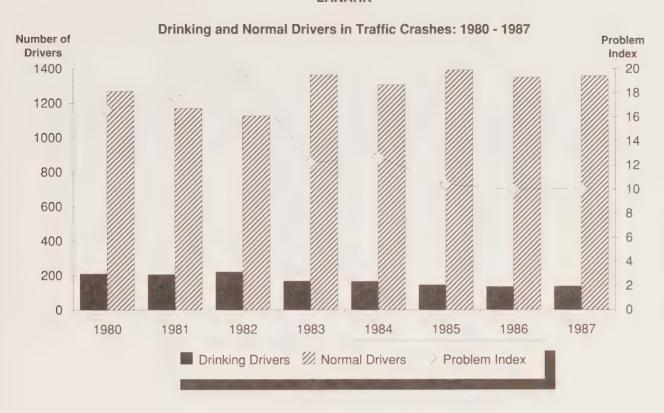
Drivers Involved in Traffic Crashes, 1980 - 1987

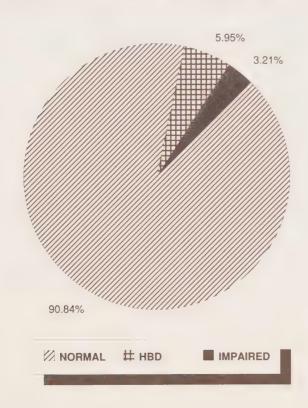
Year	Proj	perty	Dama	age	Pe	rsona	l Injur		F	-ata	al			Total				
&											<u> </u>	<u> </u>		1			<u> </u>	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	Н	IBD II	MP	D/D	NOR	_	HBD	IMP	D/D	NOR
Male																		
1980	55	36	91	631	65	26	91	266		3	3	6	8		123	65	188	90
1981	54	33	87	549	68	29	97	256		3	1	4	10		125	63	188	81
1982	78	24	102	565	76	23	99	242		1	1	2	3		155	48	203	810
1983	50	26	76	670	58	17	75	296		0	5	5	8		108	48	156	97
1984	48	17	65	613	51	26	77	282		3	2	5	7		102	45	147	902
1985	48	21	69	658	42	21	63	318		1	0	1	8		91	42	133	984
1986	42	14	56	626	41	11	52	315		3	2	5	7		86	27	113	948
1987	38	19	57	621	43	27	70	305	_	0	1	1	8		81	47	128	934
Fema	le																	
1980	7	3	10	247	10	1	11	114		0	1	1	2		17	5	22	36
1981	4	3	7	236	9	2	11	118		0	0	0	0		13	5	18	35
1982	3	3	6	210	10	2	12	104		0	0	0	2		13	5	18	316
1983	4	0	4	276	6	1	7	113		0	0	0	2		10	1	11	39
1984	4	2	6	293	11	1	12	109		0	1	1	3		15	4	19	40
1985	5	3	8	279	3	1	4	129		0	0	0	1		8	4	12	40
1986	6	3	9	254	8	5	13	148		0	0	0	1		14	8	22	40:
1987	4	1	5	276	4	0	4	146	. —	0	0	0	2	_	8	1	9	42
Total																		
1980	62	39	101	878	75	27	102	380		3	4	7	10		140	70	210	126
1981	58	36	94	785	77	31	108	374		3	1	4	10		138	68	206	116
1982	81	27	108	775	86	25	111	346		1	1	2	5		168	53	221	112
1983	54	26	80	946	64	18	82	409		0	5	5	10		118	49	167	136
1984	52	19	71	906	62	27	89	391		3	3	6	10		117	49	166	130
1985	53	24	77	937	45	22	67	447		1	0	1	9		99	46	145	139
1986	48	17	65	880	49	16	65	463		3	2	5	8		100	35	135	135
1987	42	20	62	897	47	27	74	451		0	1	1	10		89	48	137	135

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LANARK





LEEDS

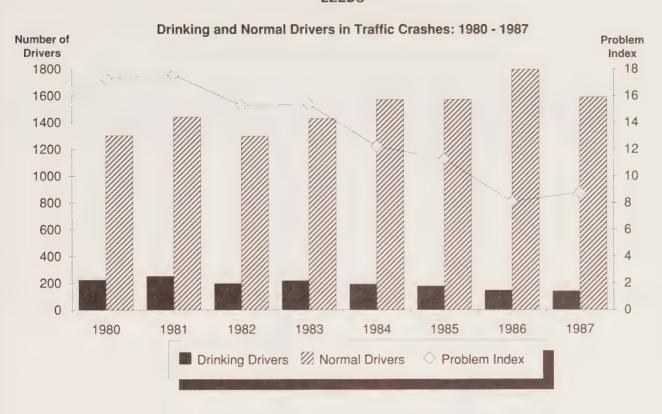
Drivers Involved in Traffic Crashes, 1980 - 1987

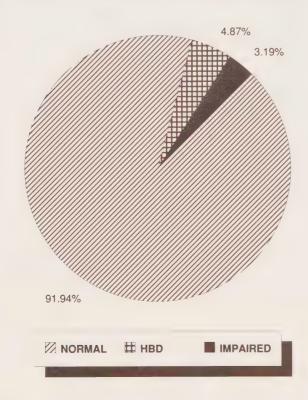
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у	I	ata	al				To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP	D/D	NOR	Н	BD	IMP	D/D	NOR
Male																	
1980	75	32	107	608	68	22	90	315	2	3	5	6		145	57	202	92
1981	69	44	113	683	78	38	116	336	2	3	5	10		149	85	234	10
1982	66	27	93	618	50	23	73	293	2	3	5	3		118	53	171	9
1983	50	44	94	632	61	36	97	339	1	6	7	6		112	86	198	9
1984	60	29	89	695	45	27	72	364	0	5	5	6		105	61	166	10
1985	49	23	72	715	48	29	77	377	1	5	6	13		98	57	155	11
1986	38	23	61	833	39	17	56	380	3	4	7	15		80	44	124	12
1987	34	20	54	684	43	24	67	378	0	3	3	11		77	47	124	10
Fema	le																
1980	9	4	13	234	7	3	10	136	0	0	0	3		16	7	23	3
1981	6	4	10	282	8	1	9	127	0	0	0	3		14	5.	19	4
1982	10	5	15	250	6	6	12	133	0	0	0	0		16	11	27	3
1983	2	5	7	283	13	1	14	168	0	0	0	0		15	6	21	4
1984	9	3	12	334	7	6	13	170	1	0	1	1		17	9	26	5
1985	5	2	7	286	12	3	15	177	0	0	0	3		17	5	22	4
1986	6	2	8	368	7	4	11	198	1	1	2	1		14	7	21	5
1987	4	5	9	335	3	3	6	175	0	0	0	3		7	8	15	5
Total																	
1980	84	36	120	842	75	25	100	451	2	3	5	9		161	64	225	13
1981	75	48	123	965	86	39	125	463	2	3	5	13		163	90	253	14
1982	76	32	108	868	56	29	85	426	2	3	5	3		134	64	198	12
1983	52	49	101	915	74	37	111	507	1	6	7	6		127	92	219	14
1984	69	32	101	1029	52	33	85	534	1	5	6	7		122	70	192	15
1985	54	25	79	1001	60	32	92	554	1	5	6	16		115	62	177	15
1986	44	25	69	1201	46	21	67	578	4	5	9	16		94	51	145	17
1987	38	25	63	1019	46	27	73	553	0	3	3	14		84	55	139	15

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LEEDS





LENNOX and **ADDINGTON**

Drivers Involved in Traffic Crashes, 1980 - 1987

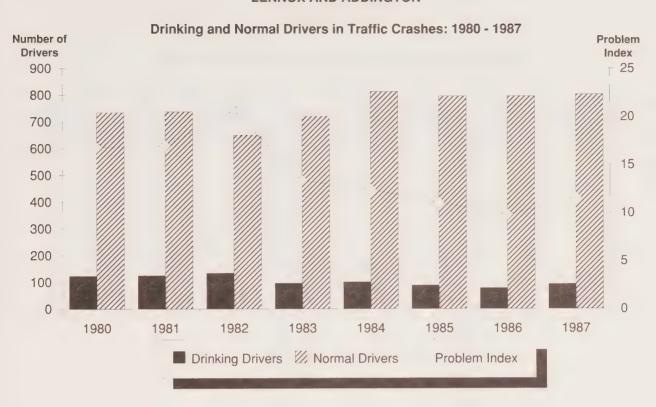
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у			Fat	al			То	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
	1																
1980	32	12	44	348	47	14	61	191		1	5	6	7	80	31	111	54
1981	39	19	58	339	42	15	57	199		1	2	3	5	82	36	118	54
1982	31	16	47	293	46	19	65	168		1	1	2	5	78	36	114	46
1983	30	9	39	345	28	15	43	148		1	2	3	8	59	26	85	50
1984	33	14	47	365	33	8	41	193		3	3	6	5	69	25	94	56
1985	28	9	37	344	30	6	36	193		1	1	2	6	59	16	75	54
1986	22	12	34	336	26	10	36	207		0	0	0	8	48	22	70	55
1987	24	11	35	358	26	13	39	190	ं	0	3	3	10	50	27	77	55
Fema	le																
1980	2	2	4	121	7	1	8	67		0	0	0	0	9	3	12	18
1981	1	1	2	123	3	1	4	70		0	1	1	1	4	3	7	19
1982	9	3	12	117	8	0	8	67		0	0	0	0	17	3	20	18
1983	3	3	6	139	5	0	5	79		0	0	0	1	8	3	11	2
1984	2	1	3	168	4	0	4	80		0	0	0	2	6	1	7	25
1985	4	0	4	155	7	2	9	98		0	0	0	0	11	2	13	25
1986	0	0	0	142	8	0	8	99		0	0	0	4	8	0	8	24
1987	2	4	6	154	8	2	10	89		0	0	0	2	10	6	16	24
Total																	
1980	34	14	48	469	54	15	69	258		1	5	6	7	89	34	123	73
1981	40	20	60	462	45	16	61	269		1	3	4	6	86	39	125	73
1982	40	19	59	410	54	19	73	235		1	1	2	5	95	39	134	65
1983	33	12	45	484	33	15	48	227		1	2	3	9	67	29	96	72
1984	35	15	50	533	37	8	45	273		3	3	6	7	75	26	101	8
1985	32	9	41	499	37	8	45	291		1	1	2	6	70	18	88	79
1986	22	12	34	478	34	10	44	306		0	0	0	12	56	22	78	79
1987	26	15	41	512	34	15	49	279		0	3	3	12	60	33	93	80

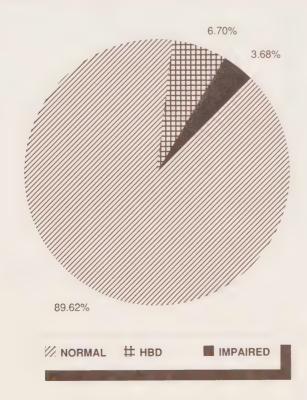
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LENNOX AND ADDINGTON





MANITOULIN

Drivers Involved in Traffic Crashes, 1980 - 1987

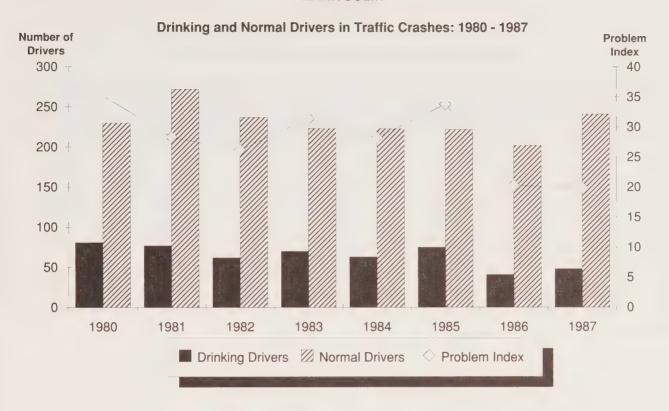
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fa	tal			To	tal	
&					Providence of		e fire. E.									
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBC	IMP	D/D N	IOR	HBD	IMP	D/D	NOF
Male																
1980	23	11	34	107	26	5	31	56	1	2	2 3	2	50	18	68	10
1981	27	14	41	124	14	9	23	64	1	3	3 4	4	42	26	68	1
1982	12	7	19	128	23	9	32	51	() (0	5	35	16	51	1
1983	20	10	30	126	15	11	26	46	2	2 1	3	4	37	22	59	1
1984	24	9	33	115	14	5	19	36	() 1	1	3	38	15	53	1
1985	20	9	29	105	19	13	32	63) 1	1	0	39	23	62	1
1986	11	5	16	95	7	10	17	31	1	1	2	0	19	16	35	1
1987	10	6	16	111	11	5	16	47) 3	3	1	21	14	35	1
Femal	le															
1980	4	3	7	40	5	1	6	24) (0	1	9	4	13	
1981	1	0	1	46	7	0	7	33	. 0) 1	. 1	1	8	1	9	
1982	4	1	5	40	3	3	6	13) (0	0	7	4	11	
1983	3	4	7	29	4	0	4	18	ી) (0	0	7	4	11	
1984	6	1	7	45	1	1	2	24	1	() 1	0	8	2	10	
1985	5	4	9	24	2	2	4	30	() (0 0	0	7	6	13	
1986	2	0	2	45	1	3	4	31	. () (0	0	3	3	6	
1987	4	1	5	58	6	1	7	24	1) 1	0	11	2	13	
Total																
1980	27	14	41	147	31	6	37	80	1	2	2 3	3	59	22	81	2
1981	28	14	42	170	21	9	30	97	1	4	5	5	50	27	77	2
1982	16	8	24	168	26	12	38	64) (0	5	42	20	62	2
1983	23	14	37	155	19	11	30	64	2	2 1	3	4	44	26	70	2
1984	30	10	40	160	15	6	21	60	1	1 1	2	3	46	17	63	2
1985	25	13	38	129	21	15	36	93	() 1	1 1	0	46	29	75	2
1986	13	5	18	140	8	13	21	62	1	1	2	0	22	19	41	2
1987	14	7	21	169	17	6	23	71	1	3	3 4	1	32	16	48	2

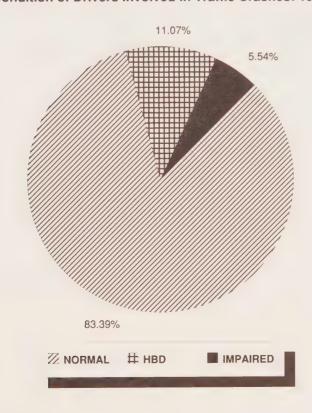
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MANITOULIN





MIDDLESEX

Drivers Involved in Traffic Crashes, 1980 - 1987

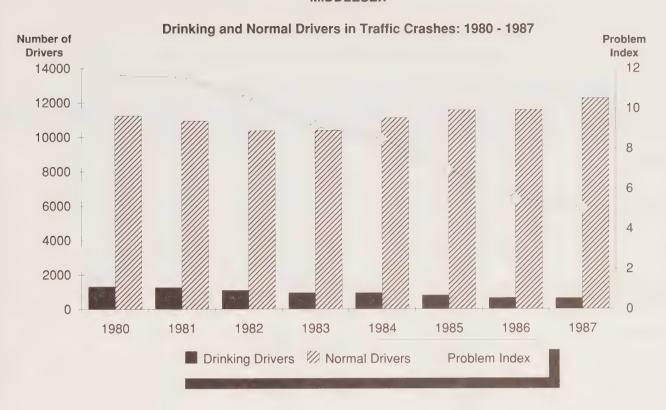
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	У		Fata	al			To	tal	
& t													1			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D N	IOR	HBD	IMP	D/D	NOR
Male																
1980	468	140	608	5081	419	123	542	2795	11	10	21	27	898	273	1171	790
1981	436	131	567	4945	422	112	534	2699	17	8	25	22	875	251	1126	766
1982	367	112	479	4696	371	92	463	2515	10	12	22	25	748	216	964	723
1983	316	101	417	4517	275	93	368	2575	6	13	19	32	597	207	804	712
1984	303	100	403	4814	297	92	389	2789	9	10	19	30	609	202	811	763
1985	237	87	324	4496	263	95	358	3304	4	9	13	33	504	191	695	783
1986	198	72	270	4374	177	110	287	3194	. 5	13	18	28	380	195	575	759
1987	153	77	230	4543	190	102	292	3429	5	6	11	30	348	185	533	800
Fema	le															
1980	48	12	60	2059	67	12	79	1274	0	1	1	5	115	25	140	333
1981	52	25	77	2044	51	8	59	1222	1	1	2	4	104	34	138	32
1982	54	20	74	1956	49	10	59	1165	0	0	0	6	103	30	133	31:
1983	55	15	70	2003	55	15	70	1253	0	2	2	9	110	32	142	32
1984	50	18	68	2163	51	10	61	1317	3	1	4	8	104	29	133	34
1985	40	20	60	2099	39	9	48	1631	0	1	1	7	79	30	109	37
1986	23	7	30	2183	28	9	37	1795	0	0	0	14	51	16	67	39
1987	30	6	36	2317	29	20	49	1927	2	2	4	8	61	28	89	42
Total																
1980	516	152	668	7140	486	135	621	4069	11	11	22	32	1013	298	1311	112
1981	488	156	644	6989	473	120	593	3921	18	9	27	26	979	285	1264	1093
1982	421	132	553	6652	420	102	522	3680	10	12	22	31	851	246	1097	103
1983	371	116	487	6520	330	108	438	3828	6	15	21	41	707	239	946	103
1984	353	118	471	6977	348	102	450	4106	12	11	23	38	713	231	944	111
1985	277	107	384	6595	302	104	406	4935	4	10	14	40	583	221	804	115
1986	221	79	300	6557	205	119	324	4989	5	13	18	42	431	211	642	115
1987	183	83	266	6860	219	122	341	5356	7	8	15	38	409	213	622	122

KEY: HBD -- Drivers reported by police to have been drinking

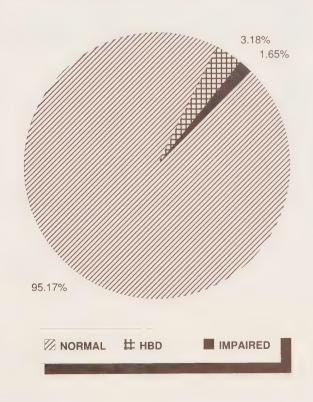
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MIDDLESEX



Condition of Drivers Involved in Traffic Crashes: 1987



MUSKOKA

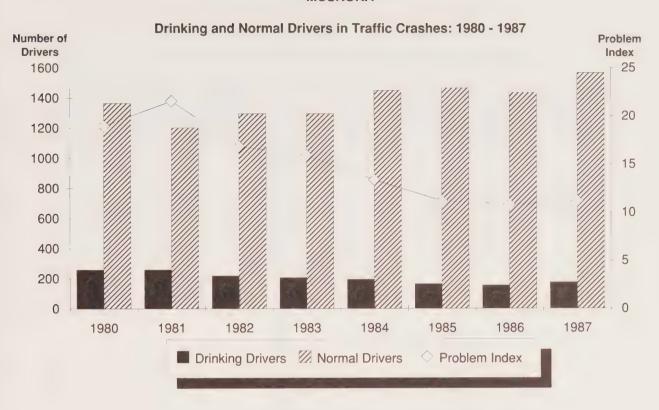
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		F	ata	al				Tot	tal	
&										H Digay				,	1. "			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD II	МP	D/D	NOR	Н	BD	IMP	D/D	NOF
Male																		
1980	78	34	112	653	91	31	122	349		4	3	7	20		173	68	241	10
1981	95	30	125	624	84	21	105	297		0	6	6	12		179	57	236	9
1982	73	22	95	644	74	21	95	305		1	2	3	7		148	45	193	9
1983	50	32	82	615	72	27	99	314		2	8	10	8		124	67	191	9
1984	59	25	84	710	53	22	75	332		8	6	14	10		120	53	173	10
1985	49	14	63	670	52	22	74	359		5	1	6	14		106	37	143	10
1986	41	24	65	636	53	21	74	366		3	5	8	11		97	50	147	10
1987	56	16	72	708	55	25	80	373		2	3	5	19		113	44	157	11
Femal	1		_	0.15			40	404				4	7		47	4	40	
1980	7	0	7	215	10	0	10	121		0	1	1	7		17	1	18	3
1981	8	4	12	178	9	2	11	88		0	0	0	3		17	6	23	2
1982	8	3	11	222	10	4	14	117		0	0	0	0		18	7	25	3
1983	7	0	7	212	5	3	8	145		0	0	0	1		12	3	15	3
1984	4	1	5	267	8	6	14	128		2	0	2	3		14	7	21	3
1985	8	3	11	289	8	1	9	127		0	1	1	7		16	5	21	4
1986	3	2	5	249	1	1	2	167	1	0	1	1	5		4	4	8	4
1987	3	0	3	281	9	5	14	182		0	_1	1	3	_	12	6	18	4
Total																		
1980	85	34	119	868	101	31	132	470		4	4	8	27		190	69	259	13
1981	103	34	137	802	93	23	116	385		0	6	6	15		196	63	259	12
1982	81	25	106	866	84	25	109	422		1	2	3	7		166	52	218	12
1983	57	32	89	827	77	30	107	459	1	2	8	10	9		136	70	206	12
1984	63	26	89	977	61	28	89	460		10	6	16	13		134	60	194	14
1985	57	17	74	959	60	23	83	486		5	2	7	21		122	42	164	14
1986	44	26	70	885	54	22	76	533		3	6	9	16		101	54	155	14
1987	59	16	75	989	64	30	94	555	4.7	2	4	6	22		125	50	175	15

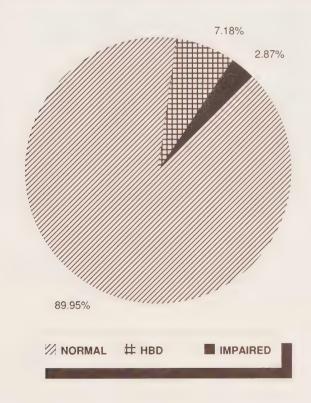
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MUSKOKA



Condition of Drivers Involved in Traffic Crashes: 1987



NIAGARA REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

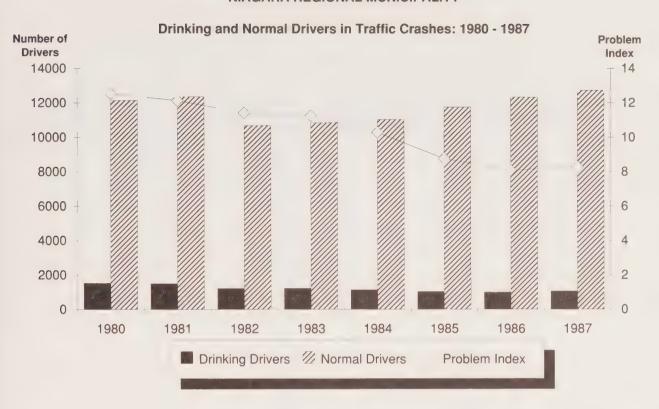
Year	Prop	perty	Dama	age		Pei	rsona	l Injur	У		Fat	al				To	tal	
&						2 1 1 1 W. J		di ghai			talla:							
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	HBD I	MP	D/D	NOR	HE	3D	IMP	D/D	NOR
Male																		
1980	480	232	712	5771		460	166	626	2902	9	10	19	35	9	49	408	1357	8708
1981	435	256	691	5837		409	200	609	2813	10	17	27	30	8	54	473	1327	8680
1982	356	194	550	4837		365	148	513	2539	6	14	20	36	7	27	356	1083	7412
1983	326	192	518	4905		358	148	506	2454	8	11	19	31	6	92	351	1043	7390
1984	337	177	514	4969		315	147	462	2611	13	11	24	31	6	65	335	1000	7611
1985	276	144	420	5115		313	142	455	2855	9	11	20	31	5	98	297	895	8001
1986	261	149	410	5270		292	148	440	3041	8	14	22	29	5	61	311	872	8340
1987	290	127	417	5211	-	313	168	481	3175	3	17	20	37	6	06	312	918	8423
Femal	le																	
1980	49	27	76	2208	. 4	65	20	85	1208	1	1	2	8	1	15	48	163	3424
1981	48	24	72	2389		73	22	95	1261	2	0	2	9	1	23	46	169	3659
1982	47	21	68	2156		52	11	63	1091	1	1	2	8	1	00	33	133	3255
1983	55	41	96	2283		66	13	79	1148	0	0	0	14	1	21	54	175	3445
1984	40	25	65	2262		56	13	69	1153	 1	0	1	8		97	38	135	3423
1985	43	23	66	2320		47	19	66	1422	2	1	3	11		92	43	135	3753
1986	39	27	66	2443		47	10	57	1540	 0	1	1	6		86	38	124	3989
1987	42	23	65	2564		51	20	71	1723	 0	2	2	15		93	45	138	4302
Total									!									
1980	529	259	788	7979		525	186	711	4110	10	11	21	43	10	64	456	1520	12132
1981	483	280	763	8226		482	222	704	4074	12	17	29	39	9	77	519	1496	12339
1982	403	215	618	6993		417	159	576	3630	 7	15	22	44	8	27	389	1216	10667
1983	381	233	614	7188		424	161	585	3602	8	11	19	45	8	13	405	1218	10835
1984	377	202	579	7231		371	160	531	3764	14	11	25	39	7	62	373	1135	11034
1985	319	167	486	7435		360	161	521	4277	 11	12	23	42	6	90	340	1030	11754
1986	300	176	476	7713		339	158	497	4581	8	15	23	35	6	47	349	996	12329
1987	332	150	482	7775		364	188	552	4898	3	19	22	52	6	99	357	1056	12725

KEY: HBD -- Drivers reported by police to have been drinking

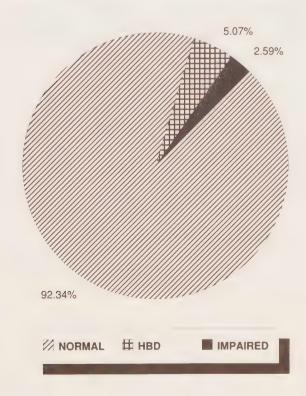
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + iMP

NIAGARA REGIONAL MUNICIPALITY



Condition of Drivers Involved in Traffic Crashes: 1987



NIPISSING

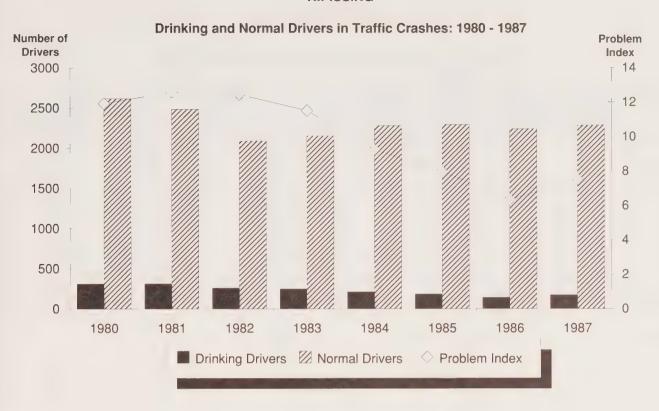
Drivers Involved in Traffic Crashes, 1980 - 1987

Year &	Prop	perty	Dam	age	Pe	rsona	l Injur	у		Fa	tal			То	tal	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	нва) IMP	D/D i	NOR	HBD	IMP	D/D	NOR
Male					<u>.</u>											
1980	100	44	144	1292	96	42	138	638		4 3	3 7	15	200	89	289	194
1981	93	48	141	1207	88	61	149	641) 4	4	13	181	113	294	186
1982	83	32	115	1036	72	40	112	500		3 4	1 7	10	158	76	234	154
1983	79	38	117	1019	49	41	90	552		4 3	3 7	22	132	82	214	159
1984	66	33	99	1105	57	30	87	547		2 -	1 3	14	125	64	189	166
1985	52	25	77	978	52	33	85	655		1 2	2 3	10	105	60	165	164
1986	40	14	54	934	41	30	71	618		1 () 1	8	82	44	126	156
1987	38	27	65	942	39	45	84	622		2 4	1 6	11	79	76	155	15
Femal	1							057					10		00	
1980	7	1	8	412	12	3	15	257) (0 0	2	19	4	23	6
1981	7	1	8	380	9	2	11	242) (0	2	16	3	19	6
1982	10	6	16	342	8	2	10	198) (0	2	18	8	26	5
1983	9	5	14	345	13	6	19	213) .	1 1	2	22	12	34	5
1984	6	5	11	376	4	6	10	238) .	1 1	1	10	12	22	6
1985	4	3	7	376	7	4	11	271) (0 (3	11	7	18	6
1986	5	2	7	401	7	2	9	276) (0 0	2	12	4	16	6
1987	8	2	10	390	7	0	7	314) (0	4.	15	2	17	7
Total																
1980	107	45	152	1704	108	45	153	895		4 (3 7	17	219	93	312	26
1981	100	49	149	1587	97	63	160	883) 4	4 4	15	197	116	313	24
1982	93	38	131	1378	80	42	122	698		3 4	4 7	12	176	84	260	20
1983	88	43	131	1364	62	47	109	765		4 4	4 8	24	154	94	248	21
1984	72	38	110	1481	61	36	97	785		2 2	2 4	15	135	76	211	22
1985	56	28	84	1354	59	37	96	926		1 2	2 3	13	116	67	183	22
1986	45	16	61	1335	48	32	80	894		1 () 1	10	94	48	142	22
1987	46	29	75	1332	46	45	91	936		2 4	1 6	15	94	78	172	22

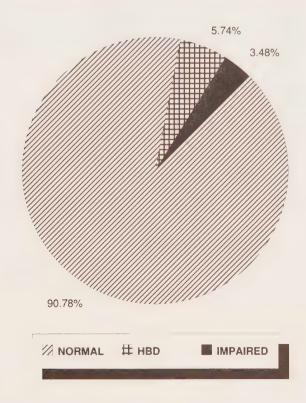
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NIPISSING



Condition of Drivers Involved in Traffic Crashes: 1987



NORTHUMBERLAND

Drivers Involved in Traffic Crashes, 1980 - 1987

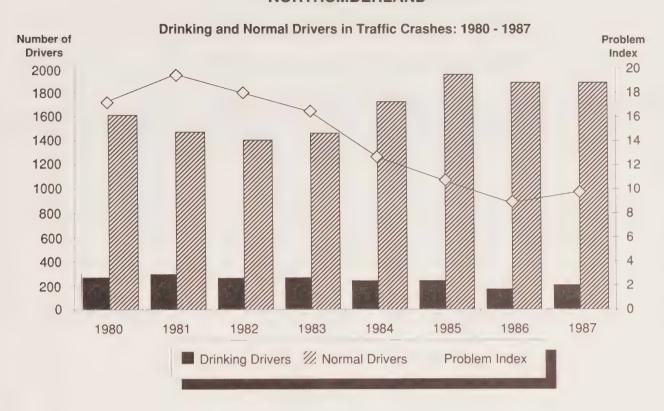
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	У		F	at	al				To	tal	
&						<u></u>	<u></u>		ř			<u></u>						
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	ИP	D/D I	VOR	Ľ	HBD	IMP	D/D	NOR
Male																		
1980	76	47	123	710	105	33	138	468		5	3	8	10		186	83	269	118
1981	89	40	129	660	123	22	145	451		3	5	8	17		215	67	282	112
1982	83	36	119	675	91	27	118	377		1	8	9	11		175	71	246	100
1983	68	37	105	653	80	42	122	391		6	4	10	14		154	83	237	10
1984	69	32	101	805	77	30	107	446	.:.	1	4	5	9		147	66	213	12
1985	59	24	83	802	82	25	107	562		3	7	10	10		144	56	200	13
1986	35	22	57	763	66	20	86	516		1	5	6	24		102	47	149	13
1987	47	23	70	782	60	37	97	493		0	7	7	16		107	67	174	12
Femal	е																	
1980	10	0	10	282	14	2	16	172		0	2	2	2		24	4	28	4
1981	11	3	14	231	10	1	11	192		0	0	0	0		21	4	25	4
1982	4	0	4	237	14	7	21	169		0	1	1	0		18	8	26	4
1983	5	2	7	258	9	3	12	193		0	1	1	4		14	6	20	4
1984	7	0	7	348	7	3	10	193		0	1	1	3		14	4	18	5
1985	7	3	10	346	11	1	12	271		0	2	2	5		18	6	24	6
1986	6	3	9	343	6	4	10	254		0	0	0	4		12	7	19	6
1987	4	3	7	350	10	3	13	282	1.	1	1	2	7		15	7	22	6
Total																		
1980	86	47	133	992	119	35	154	640		5	5	10	12		210	87	297	16
1981	100	43	143	891	133	23	156	643		3	5	8	17		236	71	307	15
1982	87	36	123	912	105	34	139	546		1	9	10	11		193	79	272	14
1983	73	39	112	911	89	45	134	584		6	5	11	18		168	89	257	15
1984	76	32	108	1153	84	33	117	639		1	5	6	12		161	70	231	18
1985	66	27	93	1148	93	26	119	833		3	9	12	15		162	62	224	19
1986	41	25	66	1106	72	24	96	770		1	5	6	28		114	54	168	19
1987	51	26	77	1132	70	40	110	775		1	8	9	23		122	74	196	19

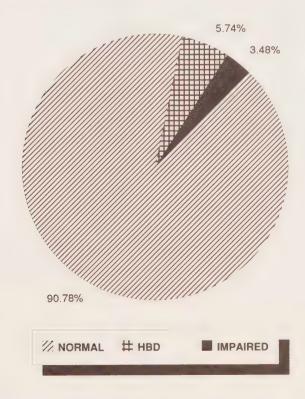
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NORTHUMBERLAND





OTTAWA-CARLETON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

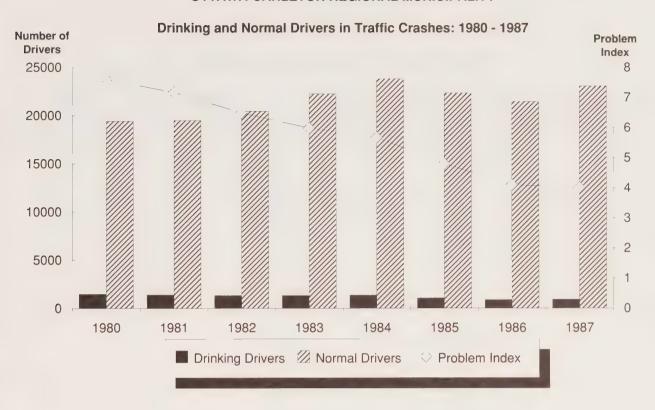
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fat	al			То	tal	
&						- N.			1							
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOF
Male																
1980	474	317	791	10622	320	208	528	3896	10	11	21	39	804	536	1340	145
1981	473	269	742	10671	335	170	505	3891	7	6	13	39	815	445	1260	146
1982	443	237	680	11223	311	169	480	4221	3	10	13	27	757	416	1173	154
1983	422	239	661	11950	322	175	497	4545	8	17	25	40	752	431	1183	165
1984	428	245	673	12800	297	200	497	4753	14	. 9	23	57	739	454	1193	176
1985	293	211	504	11173	275	157	432	5228	7	13	20	36	575	381	956	164
1986	212	169	381	10664	219	158	377	4893	6	11	17	38	437	338	775	155
1987	238	204	442	11170	214	154	368	5404	11	9	20	39	463	367	830	166
Femal	le															
1980	42	28	70	3449	49	16	65	1402	1	1	2	8	92	45	137	48
1981	44	26	70	3471	52	13	65	1402	0	1	1	6	96	40	136	48
1982	57	28	85	3547	56	11	67	1435	1	1	2	2	114	40	154	49
1983	50	29	79	3980	49	19	68	1713	0	0	0	6	99	48	147	56
1984	57	38	95	4407	43	19	62	1782	2	. 0	2	8	102	57	159	61
1985	39	24	63	3838	34	19	53	2065	2	0	2	5	75	43	118	59
1986	33	23	56	3785	34	14	48	2057	0	1	1	11	67	38	105	58
1987	18	29	47	4054	31	14	45	2367	0	1	1	13	49	44	93	64
Total																
1980	516	345	861	14071	369	224	593	5298	11	12	23	47	896	581	1477	194
1981	517	295	812	14142	387	183	570	5293	7	7	14	45	911	485	1396	194
1982	500	265	765	14770	367	180	547	5656	4	- 11	15	29	871	456	1327	204
1983	472	268	740	15930	. 371	194	565	6258	. 8	17	25	46	851	479	1330	222
1984	485	283	768	17207	340	219	559	6535	16	9	25	65	841	511	1352	238
1985	332	235	567	15011	309	176	485	7293	9	13	22	41	650	424	1074	223
1986	245	192	437	14449	253	172	425	6950	6	12	18	49	504	376	880	214
1987	256	233	489	15224	245	168	413	7771	11	10	21	52	512	411	923	230

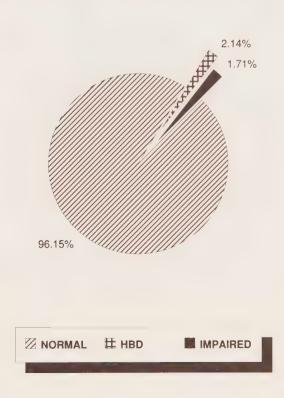
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OTTAWA-CARLETON REGIONAL MUNICIPALITY





OXFORD

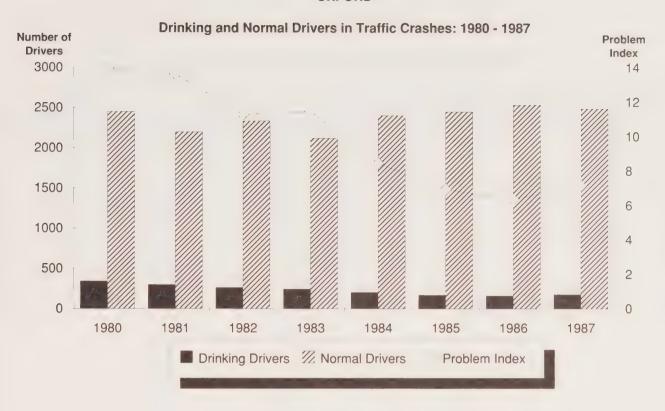
Drivers Involved in Traffic Crashes, 1980 - 1987

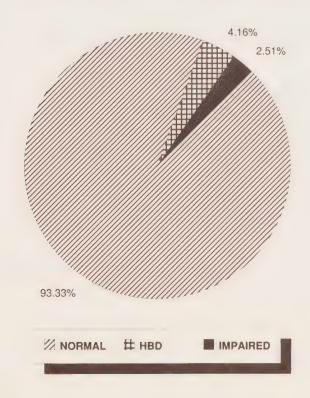
Year	Proj	perty	Dama	age	Pe	rsona	l Injur	У			Fat	al			To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
	15																
Male													1				
1980	98	57	155	1120	101	38	139	644		4	11	15	20	203	106	309	1784
1981	92	44	136	1075	82	29	111	481		5	8	13	19	179	81	260	157
1982	72	47	119	1012	81	33	114	572		3	5	8	10	156	85	241	1594
1983	64	39	103	948	76	27	103	542		2	5	7	12	142	71	213	1502
1984	54	37	91	1084	74	17	91	557		1	1	2	4	129	55	184	1645
1985	47	19	66	1055	59	19	78	652		2	1	3	16	108	39	147	1723
1986	41	25	66	1058	39	35	74	671		0	2	2	19	80	62	142	1748
1987	43	23	66	956	56	29	85	680	,	1	8	9	18	100	60	160	165
Femal	le																
1980	6	6	12	398	16	4	20	263		0	1	1	6	22	11	33	667
1981	9	5	14	415	17	8	25	204		0	0	0	4	26	13	39	623
1982	5	7	12	455	8	1	9	282		0	1	1	2	13	9	22	739
1983	9	4	13	394	14	2	16	224		1	0	1	2	24	6	30	62
1984	8	2	10	495	5	3	8	260		1	0	1	3	14	5	19	75
1985	9	1	10	429	11	1	12	298		0	1	1	0	20	3	23	72
1986	5	0	5	464	11	3	14	322		0	0	0	3	16	3	19	78
1987	0	2	2	464	11	5	16	361		0	0	0	10	11	7	18	83
Total																	
1980	104	63	167	1518	117	42	159	907		4	12	16	26	225	117	342	245
1981	101	49	150	1490	99	37	136	685		5	8	13	23	205	94	299	219
1982	77	54	131	1467	89	34	123	854		3	6	9	12	169	94	263	233
1983	73	43	116	1342	90	29	119	766		3	5	8	14	166	77	243	212
1984	62	39	101	1579	79	20	99	817		2	1	3	7	143	60	203	240
1985	56	20	76	1484	70	20	90	950		2	2	4	16	128	42	170	245
1986	46	25	71	1522	50	38	88	993		0	2	2	22	96	65	161	253
1987	43	25	68	1420	67	34	101	1041		1	8	9	28	111	67	178	248

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

OXFORD





PARRY SOUND

Drivers Involved in Traffic Crashes, 1980 - 1987

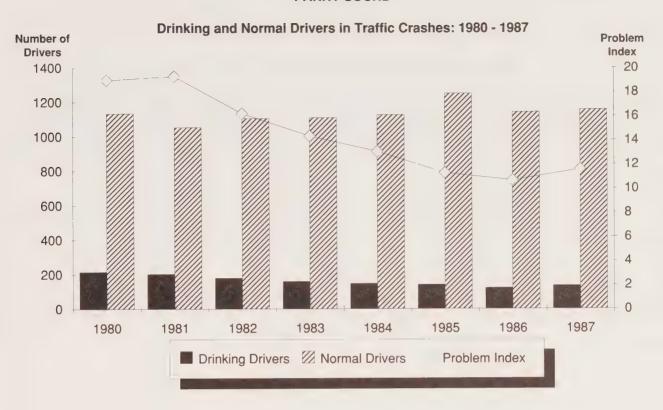
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	У		F	ata	al			То	tal	
&									r								
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	ИP	D/D	NOR	HBD	IMP	D/D	NOF
Male																	
1980	60	36	96	549	81	21	102	320		1	5	6	20	142	62	204	88
1981	64	31	95	518	61	21	82	276		4	4	8	26	129	56	185	82
1982	58	29	87	559	55	16	71	272		4	2	6	14	117	47	164	84
1983	53	21	74	506	51	13	64	297		2	2	4	30	106	36	142	83
1984	51	11	62	566	55	13	68	286		0	3	3	10	106	27	133	8
1985	34	22	56	605	53	16	69	317		1	5	6	15	88	43	131	9
1986	29	22	51	529	31	28	59	295		2	3	5	16	62	53	115	8
1987	27	20	47	462	46	22	68	366		1	4	5	16	74	46	120	8
Fema	le																
1980	3	3	6	133	5	0	5	109		0	0	0	3	8	3	11	2
1981	4	0	4	148	12	2	14	81		0	0	0	4	16	2	18	2
1982	5	1	6	167	6	3	9	91		0	0	0	2	11	4	15	2
1983	2	5	7	176	9	1	10	94		0	0	0	6	11	6	17	2
1984	8	1	9	171	5	0	5	93		0	0	0	0	13	1	14	2
1985	3	1	4	203	4	2	6	104		0	0	0	6	7	3	10	3
1986	2	2	4	208	2	0	2	90		0	1	1	5	4	3	7	3
1987	0	1	1	169	7	5	12	137	-	0	1	1	7	7	7	14	3
Total																	
1980	63	39	102	682	86	21	107	429		1	5	6	23	150	65	215	11
1981	68	31	99	666	73	23	96	357		4	4	8	30	145	58	203	10
1982	63	30	93	726	61	19	80	363		4	2	6	16	128	51	179	11
1983	55	26	81	682	60	14	74	391		2	2	4	36	117	42	159	11
1984	59	12	71	737	60	13	73	379		0	3	3	10	119	28	147	11
1985	37	23	60	808	57	18	75	421		1	5	6	21	95	46	141	12
1986	31	24	55	737	33	28	61	385		2	4	6	21	66	56	122	11
1987	27	21	48	631	53	27	80	503		1	5	6	23	. 81	53	134	11

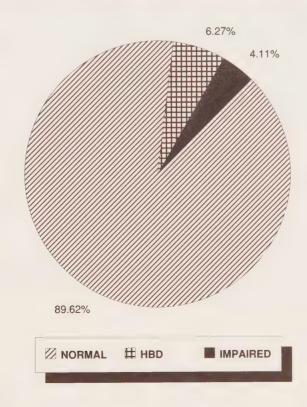
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PARRY SOUND





PEEL

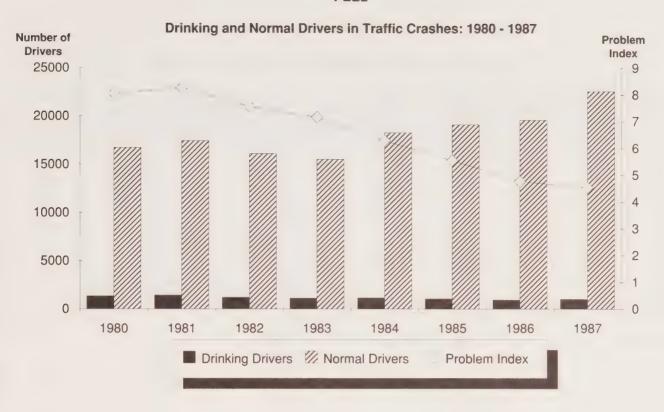
Drivers Involved in Traffic Crashes, 1980 - 1987

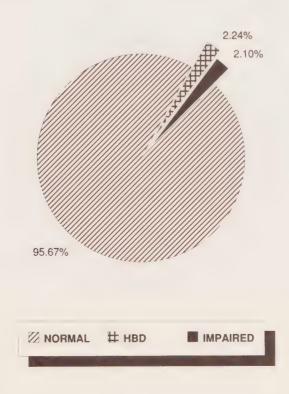
Year &	Prop	perty	Dama	age	Pe	rsona	l Injur	У		Fata	al			То	tal	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D 1	VOR	HBD	IMP	D/D	NOR
Male																
1980	349	276	625	8313	321	259	580	3978	13	15	13	57	683	550	1218	1234
1981	393	234	627	8465	364	282	646	4180	12	13	25	50	769	529	1298	1269
1982	317	230	547	7708	295	238	533	3829	6	19	25	36	618	487	1105	1157
1983	235	209	444	7234	279	235	514	3822	12	15	27	46	526	459	985	1110
1984	255	231	486	8460	283	225	508	4634	10	12	22	40	548	468	1016	1313
1985	235	201	436	8344	238	248	486	5173	10	13	23	55	483	462	945	1357
1986	179	169	348	8274	232	229	461	5531	5	10	15	47	416	408	824	1385
1987	235	190	425	9415	220	245	465	6328	2	18	20	80	457	453	910	1582
Femal	le															
1980	35	13	48	2838	39	23	62	1527	1	1	2	14	75	37	112	437
1981	37	27	64	3071	41	32	73	1653	2	2	4	22	80	61	141	474
1982	40	20	60	2894	31	19	50	1610	1	0	1	12	72	39	111	451
1983	33	22	55	2787	43	25	68	1614	1	2	3	18	77	49	126	441
1984	31	29	60	3204	41	33	74	1937	0	0	0	12	72	62	134	515
1985	27	25	52	3190	41	22	63	2345	0	1	1	16	68	48	116	555
1986	20	25	45	3306	36	27	63	2417	1	1	2	13	57	53	110	573
1987	29	18	47	3726	40	23	63	3005	2	1	3	26	71	42	113	675
Total																
1980	384	289	673	11151	360	282	642	5505	14	16	30	71	758	587	1345	1672
1981	430	261	691	11536	405	314	719	5833	14	15	29	72	849	590	1439	1744
1982	357	250	607	10602	326	257	583	5439	7	19	26	48	690	526	1216	1608
1983	268	231	499	10021	322	260	582	5436	13	17	30	64	603	508	1111	1552
1984	286	260	546	11664	324	258	582	6571	10	12	22	52	620	530	1150	1828
1985	262	226	488	11534	279	270	549	7518	10	14	24	71	551	510	1061	1912
1986	199	194	393	11580	268	256	524	7948	6	11	17	60	473	461	934	1958
1987	264	208	472	13141	260	268	528	9333	4	19	23	106	528	495	1023	2258

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PEEL





PERTH

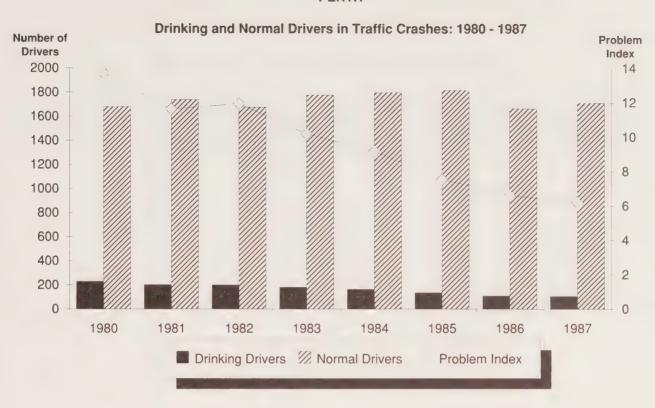
Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Prop	perty	Dama	age	Personal Injury						F	ata	al			Total				
&						5														
Sex	HBD	IMP	D/D	NOR	H	HBD	IMP	D/D	NOR		HBD IN	/IP	D/D	NOR	HI	BD	IMP	D/D	NOR	
Male																				
1980	77	30	107	846		77	21	98	372		2	2	4	12	. 1	156	53	209	123	
1981	57	30	87	837		69	27	96	391	-	2	2	4	13	1	128	59	187	124	
1982	62	25	87	784		64	24	88	386		1	3	4	7	1	127	52	179	117	
1983	51	18	69	809		63	24	87	365		4	1	5	6	1 1	118	43	161	118	
1984	53	18	71	865		52	20	72	347		2	0	2	7	1	107	38	145	121	
1985	46	21	67	783		34	14	48	422		0	0	0	10		80	35	115	121	
1986	31	20	51	721		30	14	44	375		1	1	2	19		62	35	97	111	
1987	32	14	46	719	_	35	12	47	400		2	1	3	8		69	27	96	112	
Femal	е																			
1980	5	2	7	291		10	2	12	156		1	1	2	2		16	5	21	44	
1981	4	3	7	321		4	3	7	174		1	0	1	2		9	6	15	49	
1982	16	0	16	339		3	1	4	159	1	1	0	1	1		20	1	21	49	
1983	7	4	11	404		7	1	8	190		0	1	1	3		14	6	20	59	
1984	7	6	13	392		4	3	7	183		0	0	0	4	:	11	9	20	57	
1985	9	5	14	388	1	6	2	8	209		0	0	0	5		15	7	22	60	
1986	3	3	6	341		6	1	7	204		0	0	0	5		9	4	13	55	
1987	3	0	3	351		5	2	7	231		0	0	0	2		8	2	10	58	
Total																				
1980	82	32	114	1137		87	23	110	528		3	3	6	14	1	172	58	230	167	
1981	61	33	94	1158		73	30	103	565		3	2	5	15	1	137	65	202	173	
1982	78	25	103	1123		67	25	92	545		2	3	5	8	1	147	53	200	167	
1983	58	22	80	1213	٠.	70	25	95	555		4	2	6	9	1	132	49	181	177	
1984	60	24	84	1257		56	23	79	530		2	0	2	11	1	118	47	165	179	
1985	55	26	81	1171		40	16	56	631		0	0	0	15		95	42	137	181	
1986	34	23	57	1062		36	15	51	579	120	1	1	2	24		71	39	110	166	
1987	35	14	49	1070		40	14	54	631		2	1	3	10		77	29	106	171	

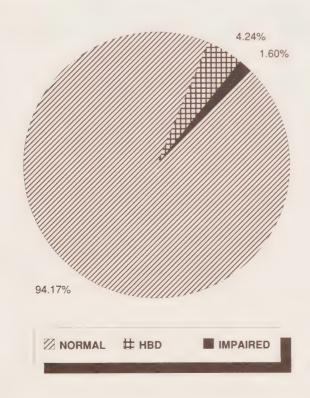
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PERTH



Condition of Drivers Involved in Traffic Crashes: 1987



PETERBOROUGH

Drivers Involved in Traffic Crashes, 1980 - 1987

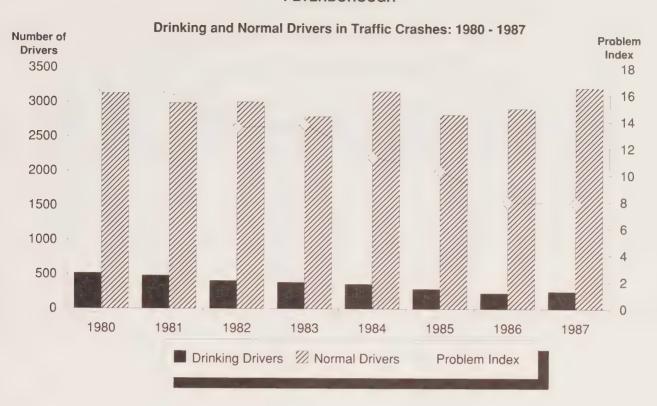
Year Property Damage					Pe	Personal Injury						al			Total				
&c								174 (114)											
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD II	MP	D/D	NOR	Н	BD	IMP	D/D	NOR	
Male								:											
1980	165	65	230	1405	166	71	237	796		5	5	10	13		336	141	477	2214	
1981	151	67	218	1345	139	63	202	752		5	9	14	7	1 :	295	139	434	2104	
1982	139	58	197	1350	126	39	165	675		0	3	3	9	1	265	100	365	2034	
1983	88	71	159	1232	86	81	167	633		2	7	9	8		176	159	335	1873	
1984	92	58	150	1319	100	65	165	808		5	4	9	4		197	127	324	213	
1985	64	71	135	1153	72	60	132	775		1	0	1	5		137	131	268	1933	
1986	35	40	75	1168	60	65	125	771		1	5	6	8		96	110	206	1947	
1987	56	52	108	1260	60	55	115	862		2	3	5	7		118	110	228	2129	
Femal	le																		
1980	14	5	19	542	17	2	19	369		0	1	1	1		31	8	39	912	
1981	20	4	24	530	21	2	23	347		0	0	0	2		41	6	47	879	
1982	16	3	19	641	20	1	21	325		0	1	1	1		36	5	41	967	
1983	13	10	23	583	16	9	25	331		0	0	0	5		29	19	48	919	
1984	5	6	11	619	12	9	21	403		0	2	2	5		17	17	34	1027	
1985	3	5	8	511	8	5	13	375		1	0	1	1		12	10	22	887	
1986	4	8	12	544	8	4	12	416		1	0	1	2		13	12	25	962	
1987	9	3	12	623	5	10	15	462		0	0	0	0		14	13	27	1085	
Total																			
1980	179	70	249	1947	183	73	256	1165		5	6	11	14		367	149	516	3126	
1981	171	71	242	1875	160	65	225	1099		5	9	14	9		336	145	481	2983	
1982	155	61	216	1991	146	40	186	1000		0	4	4	10		301	105	406	300	
1983	101	81	182	1815	102	90	192	964		2	7	9	13	2.3	205	178	383	2792	
1984	97	64	161	1938	112	74	186	1211		5	6	11	9	8.3	214	144	358	3158	
1985	67	76	143	1664	80	65	145	1150		2	0	2	6	3.5	149	141	290	2820	
1986	39	48	87	1712	68	69	137	1187		2	5	7	10	1.5	109	122	231	2909	
1987	65	55	120	1883	65	65	130	1324		2	3	5	7	111	132	123	255	3214	

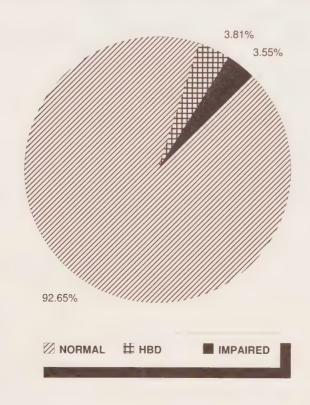
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PETERBOROUGH





PRESCOTT

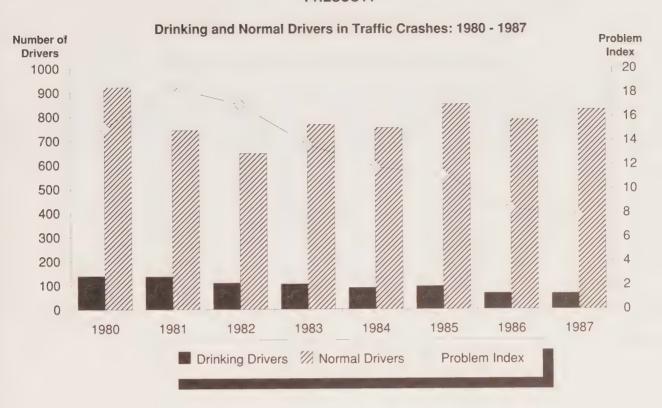
Drivers Involved in Traffic Crashes, 1980 - 1987

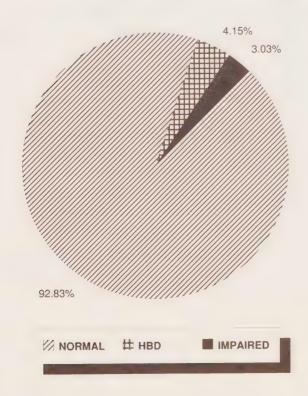
Year	Proj	perty	Dama	age	Pe	Personal Injury					tal		Total				
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D N	IOR	HBD	IMP	D/D	NOR	
Male																	
1980	49	20	69	508	33	21	54	187	3	3	8 6	7	85	44	129	70	
1981	50	24	74	401	37	16	53	160	1	1	2	3	88	41	129	5	
1982	38	14	52	343	30	22	52	154	0	1	1	4	68	37	105	5	
1983	35	15	50	379	38	11	49	180	1	() 1	5	74	26	100	5	
1984	26	7	33	407	32	15	47	170	0	(0	0	58	22	80	5	
1985	28	18	46	388	30	9	39	236	1	3	3 4	7	59	30	89	6	
1986	22	2	24	399	22	10	32	168	0	1	1	3	44	13	57	5	
1987	10	14	24	396	20	10	30	211	3	2	2 5	1	33	26	59	6	
Fema	le																
1980	4	0	4	141	4	2	6	79	0	(0	0	8	2	10	2	
1981	2	1	3	120	5	0	5	58	0	(0	1	7	1	8	1	
1982	1	0	1	87	3	1	4	59	0	() 0	0	4	1	5	1	
1983	1	1	2	127	2	0	2	75	1	() 1	1	4	1	5	2	
1984	3	0	3	115	3	2	5	61	0	1	1	0	6	3	9	1	
1985	2	0	2	128	3	0	3	92	1	() 1	0	6	0	6	2	
1986	3	0	3	127	3	3	6	87	0	(0	3	6	3	9	2	
1987	0	0	0	142	4	0	4	77	0	1	1	1	4	1	5	2	
Total																	
1980	53	20	73	649	37	23	60	266	3	3	8 6	7	93	46	139	Ö	
1981	52	25	77	521	42	16	58	218	1	1		4	95	42	137	7	
1982	39	14	53	430	33	23	56	213	0	1	1	4	72	38	110	6	
1983	36	16	52	506	40	11	51	255	2	() 2	6	78	27	105	7	
1984	29	7	36	522	35	17	52	231	0	1	1	0	64	25	89	7	
1985	30	18	48	516	33	9	42	328	2	3	3 5	7	65	30	95	8	
1986	25	2	27	526	25	13	38	255	0	1	1	6	50	16	66	7	
1987	10	14	24	538	24	10	34	288	3	3	3 6	2	37	27	64	8	

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PRESCOTT





PRINCE EDWARD

Drivers Involved in Traffic Crashes, 1980 - 1987

Year	Property Damage				Personal Injury					F	atal			Total				
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	Н	BD IM	P D/D	NOR		HBD	IMP	D/D	NOR	
Male																		
wate																		
1980	27	16	43	199	22	14	36	83		3	3 (ô	1	52	33	85	28	
1981	27	21	48	186	23	7	30	80		0	2		5	50	30	80	27	
1982	30	13	43	186	29	14	43	96		1	3 4	4	2	60	30	90	28	
1983	20	14	34	182	25	11	36	74		0	1	1	1	45	26	71	25	
1984	28	12	40	217	25	10	35	89		1	0	1 4	4	54	22	76	31	
1985	19	12	31	236	29	11	40	131		0	2 :	2	1	48	25	73	36	
1986	8	9	17	196	13	10	23	98		1	2	3 :	2	22	21	43	29	
1987	18	6	24	180	15	10	25	98	_	0	1	1	1	33	17	50	27	
Femal	le																	
1980	3	3	6	68	7	0	7	41		0	0 (0	0	10	3	13	10	
1981	2	3	5	80	3	1	4	34		0	0 (0	1	5	4	9	11:	
1982	4	1	5	79	3	0	3	38		0	0 (0	1	7	1	8	11	
1983	3	2	5	84	5	0	5	41		0	0 (0	1	8	2	10	12	
1984	1	0	1	92	3	1	4	31		0	0 (0	1	4	1	5	12	
1985	1	1	2	98	1	1	2	57		0	0 () (2	2	4	15	
1986	2	2	4	105	5	1	6	47		0	0 (0 (0	7	3	10	15	
1987	0	1	1	90	4	0	4	51		0	1	1 :	2	4	2	6	14	
Total																		
1980	30	19	49	267	29	14	43	124		3	3 (6	1	62	36	98	39	
1981	29	24	53	266	26	8	34	114		0	2	2 (6	55	34	89	38	
1982	34	14	48	265	32	14	46	134		1	3 4	4 :	3	67	31	98	40	
1983	23	16	39	266	30	11	41	115		0	1	1 :	2	53	28	81	38	
1984	29	12	41	309	28	11	39	120		1	0		5	58	23	81	43	
1985	20	13	33	334	30	12	42	188		0	2 :	2	1	50	27	77	52	
1986	10	11	21	301	18	11	29	145		1	2 :	3 :	2	29	24	53	44	
1987	18	7	25	270	19	10	29	149		0	2	2 ;	3	37	19	56	42	

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

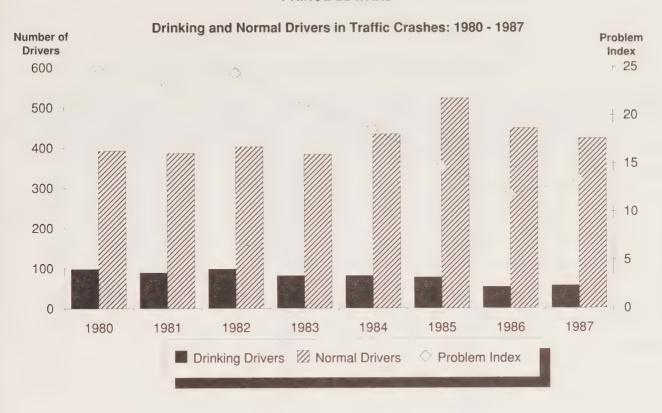
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

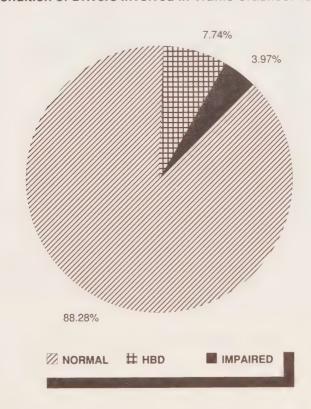
NOR -- Drivers whose condition was reported by police as "normal"

Drinking / Driving

Statistical Yearbook: 1988

PRINCE EDWARD





RAINY RIVER

Drivers Involved in Traffic Crashes, 1980 - 1987

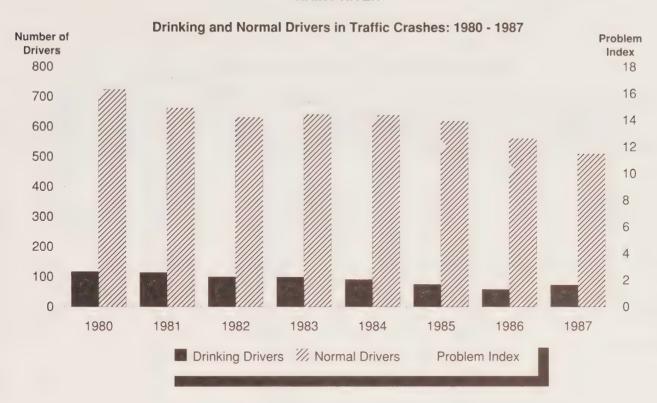
Year	Prop	perty	Dam	age	Pe		F	ata	ıl			Total						
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	/IP [D/D	NOR	Н	BD	IMP	D/D	NOR
Male																		
	1																	
1980	44	19	63	398	32	10	42	135		2	2	4	4		78	31	109	53
1981	35	17	52	382	27	16	43	108		1	1	2	0		63	34	97	49
1982	35	25	60	374	17	12	29	105		1	2	3	2		53	39	92	48
1983	31	18	49	344	25	10	35	128		1	2	3	4		57	30	87	47
1984	30	14	44	314	24	8	32	121		2	1	3	4		56	23	79	43
1985	24	6	30	339	19	13	32	127		0	1	1	0		43	20	63	46
1986	17	9	26	290	21	7	28	100		0	1	1	1		38	17	55	39
1987	21	9	30	257	18	8	26	99		2	2	4	3		41	19	60	35
Femal	le																	
1980	1	3	4	129	3	0	3	56		1	0	1	1		5	3	8	18
1981	7	2	9	124	5	3	8	48		0	0	0	0		12	5	17	17
1982	1	2	3	119	2	2	4	31		1	0	1	0		4	4	8	15
1983	3	2	5	109	6	1	7	54		0	0	0	2		9	3	12	16
1984	2	2	4	150	5	2	7	50		0	1	1	0		7	5	12	20
1985	3	2	5	99	3	3	6	54		0	1	1	0		6	6	12	15
1986	2	0	2	106	1	0	1	63		0	0	0	1		3	0	3	17
1987	2	3	5	93	5	2	7	58		1	0	1	0		8	5	13	15
Total																		
1980	45	22	67	527	35	10	45	191		3	2	5	5		83	34	117	72
1981	42	19	61	506	32	19	51	156		1	1	2	0		75	39	114	66
1982	36	27	63	493	19	14	33	136		2	2	4	2		57	43	100	63
1983	34	20	54	453	31	11	42	182		1	2	3	6		66	33	99	64
1984	32	16	48	464	29	10	39	171		2	2	4	4		63	28	91	63
1985	27	8	35	438	22	16	38	181		0	2	2	0		49	26	75	61
1986	19	9	28	396	22	7	29	163		0	1	1	2		41	17	58	56
1987	23	12	35	350	23	10	33	157	, so the	3	2	5	3		49	24	73	51

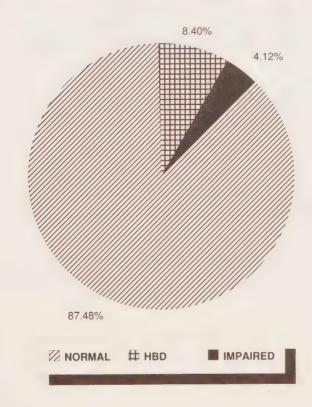
KEY: HBD -- Drivers reported by police to have been drinking

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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RAINY RIVER





RENFREW

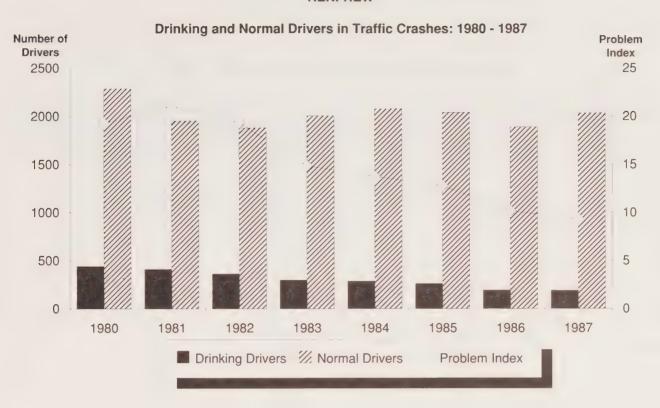
Drivers Involved in Traffic Crashes, 1980 - 1987

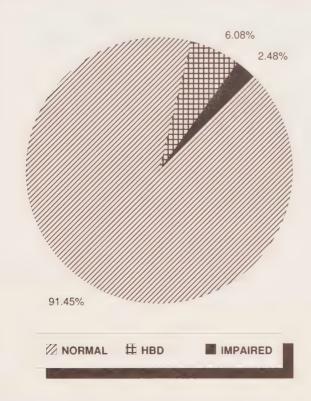
Year Property Damage					Pe	rsona	l Injur	y		Fat	al			Total				
&											. f j. j.							
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBE	IMP	D/D I	NOR	HBD	IMP	D/D	NOR		
Male																		
1980	139	41	180	1160	159	51	210	516	8	3 7	15	19	306	99	405	169		
1981	126	61	187	945	132	38	170	472	1 7	10	17	15	265	109	374	143		
1982	111	48	159	912	115	39	154	461	. 7	7	14	22	233	94	327	139		
1983	88	48	136	1009	85	40	125	475	- 3	3 4	7	19	176	92	268	150		
1984	93	50	143	1036	80	31	111	454	3	3 2	5	19	176	83	259	150		
1985	82	30	112	952	94	32	126	465	3	3 5	8	11	179	67	246	142		
1986	54	28	82	862	61	26	87	448	3	3 4	7	14	118	58	176	132		
1987	55	28	83	881	64	21	85	492		4	5	15	120	53	173	138		
Fema	le							:										
1980	10	4	14	385	16	5	21	202		0	1	5	27	9	36	59		
1981	7	8	15	323	16	6	22	198	() 0	0	0	23	14	37	52		
1982	13	4	17	310	13	4	17	172	2	2 0	2	2	28	8	36	48		
1983	9	4	13	325	15	1	16	169) 1	1	8	24	6	30	5		
1984	10	4	14	384	11	1	12	177		0	1	8	22	5	27	5		
1985	4	1	5	378	8	1	9	230) 1	1	5	12	3	15	6		
1986	4	4	8	322	7	1	8	237	. (0	0	4	11	5	16	50		
1987	5	1	6	369	9	1	10	271		0	1	4	15	2	17	64		
Total																		
1980	149	45	194	1545	175	56	231	718	9	7	16	24	333	108	441	228		
1981	133	69	202	1268	148	44	192	670		10	17	15	288	123	411	19		
1982	124	52	176	1222	128	43	171	633		7	16	24	261	102	363	18		
1983	97	52	149	1334	100	41	141	644		3 5	8	27	200	98	298	20		
1984	103	54	157	1420	91	32	123	631	4	2	6	27	198	88	286	20		
1985	86	31	117	1330	102	33	135	695		3 6	9	16	191	70	261	20		
1986	58	32	90	1184	68	27	95	685		3 4	7	18	129	63	192	18		
1987	60	29	89	1250	73	22	95	763		2 4	6	19	135	55	190	20		

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RENFREW





RUSSELL

Drivers Involved in Traffic Crashes, 1980 - 1987

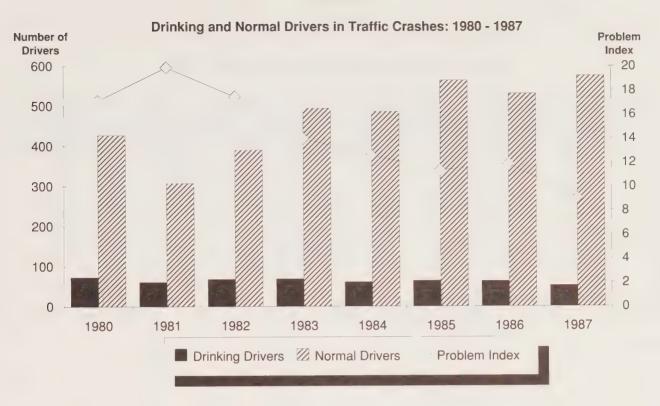
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		F	at	al			То	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	F	HBD IN	ИP	D/D N	IOR	HBD	IMP	D/D	NOR
Male																	
1980	25	5	30	223	29	7	36	92		2	0	2	2	56	12	68	31
1981	17	6	23	141	21	9	30	80		0	1	1	3	38	16	54	22
1982	27	11	38	190	17	8	25	92		2	0	2	1	46	19	65	28
1983	22	12	34	233	17	12	29	122		1	1	2	4	40	25	65	35
1984	18	7	25	209	21	9	30	123		2	0	2	5	41	16	57	33
1985	20	7	27	237	24	5	29	148		0	1	1	4	44	13	57	38
1986	11	5	16	245	26	11	37	118		0	1	1	4	37	17	54	36
1987	10	10	20	270	12	13	25	145	-	1	3	4	6	23	26	49	42
Femal	le																
1980	4	1	5	69	0	0	0	40		0	0	0	1	4	1	5	1
1981	3	1	4	46	3	0	3	36		0	0	0	1	6	1	7	
1982	1	1	2	76	1	0	1	31		0	0	0	0	2	1	3	10
1983	0	1	1	84	2	1	3	48		0	0	0	3	2	2	4	1:
1984	2	0	2	101	2	0	2	47		0	0	0	1	4	0	4	1-
1985	2	1	3	91	3	1	4	83		0	0	0	1	5	2	7	1
1986	0	4	4	111	3	2	5	53		0	0	0	0	3	6	9	10
1987	2	0	2	102	0	1	1	52	_	0	0	0	1	2	1	3	1:
Total																	
1980	29	6	35	292	29	7	36	132		2	0	2	3	60	13	73	42
1981	20	7	27	187	24	9	33	116		0	1	1	4	44	17	61	3
1982	28	12	40	266	18	8	26	123		2	0	2	1	48	20	68	3
1983	22	13	35	317	19	13	32	170		1	1	2	7	42	27	69	4
1984	20	7	27	310	23	9	32	170		2	0	2	6	45	16	61	4
1985	22	8	30	328	27	6	33	231		0	1	1	5	49	15	64	5
1986	11	9	20	356	29	13	42	171		0	1	1	4	40	23	63	5
1987	12	10	22	372	12	14	26	197	_	1	3	4	7	25	27	52	5

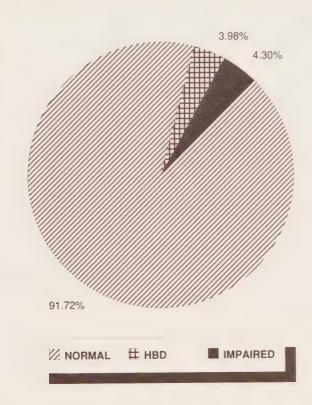
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RUSSELL





SIMCOE

Drivers Involved in Traffic Crashes, 1980 - 1987

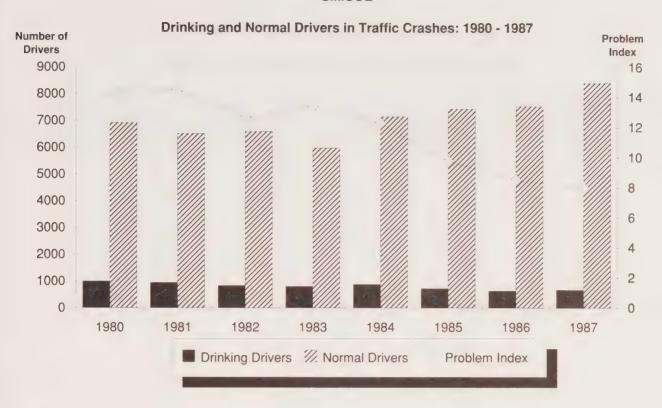
Year	Prop	erty	Dama	age	Pe	rsona	l Injur	у			Fat	al				To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP	D/D	NOR		HBD	IMP	D/D	NOF
Male																		
1980	310	156	466	3157	280	142	422	1775		10	11	21	18		600	309	909	49
1981	253	156	409	3043	287	136	423	1572		9	12	21	32		549	304	853	46
1982	225	140	365	3067	232	132	364	1544		5	4	9	37		462	276	738	46
1983	239	136	375	2731	204	118	322	1400		2	11	13	37		445	265	710	4
1984	232	157	389	3266	240	124	364	1666		8	11	19	33		480	292	772	49
1985	197	111	308	3300	222	110	332	1765		7	9	16	25		426	230	656	50
1986	176	106	282	3308	157	115	272	1796		5	7	12	32		338	228	566	5
1987	145	123	268	3455	167	148	315	2192		5	7	12	41	_	317	278	595	5
Fema	1	4.4	0.4	1000	40	10	50	746		1	0	1	7		66	21	97	11
1980	23	11	34	1208	42	10	52	746		1	0	1	7		66	21	87	19
1981	25	17	42	1217	35	14	49	641		0	0	0	7		60	31	91	1
1982	40	7	47	1271	39	8	47	662		0	0	0	10		79	15	94	1
1983	37	9	46	1200	34	11	45	603		1	1	2	6		72	21	93	1
1984	45	13	58	1446	37	9	46	735		2	0	2	8		84	22	106	2
1985	21	12	33	1523	29	6	35	817	-	0	2	2	13		50	20	70	2
1986	23	13	36	1466	29	8	37	922		1	0	1	12		53	21	74	2
1987	14	8	22	1613	37	17	54	1095	i	0	1	1	15		51	26	77	2
Total																		
1980	333	167	500	4365	322	152	474	2521		11	11	22	25		666	330	996	6
1981	278	173	451	4260	322	150	472	2213		9	12	21	39		609	335	944	6
1982	265	147	412	4338	271	140	411	2206		5	4	9	47		541	291	832	6
1983	276	145	421	3931	238	129	367	2003		3	12	15	43		517	286	803	5
1984	277	170	447	4712	277	133	410	2401		10	11	21	41		564	314	878	7
1985	218	123	341	4823	251	116	367	2582		7	11	18	38		476	250	726	7
1986	199	119	318	4774	186	123	309	2718		6	7	13	44		391	249	640	7
1987	159	131	290	5068	204	165	369	3287		5	8	13	56	٠.	368	304	672	8

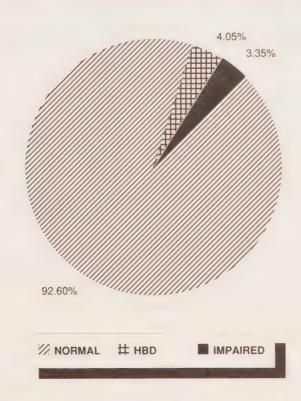
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SIMCOE





STORMONT

Drivers Involved in Traffic Crashes, 1980 - 1987

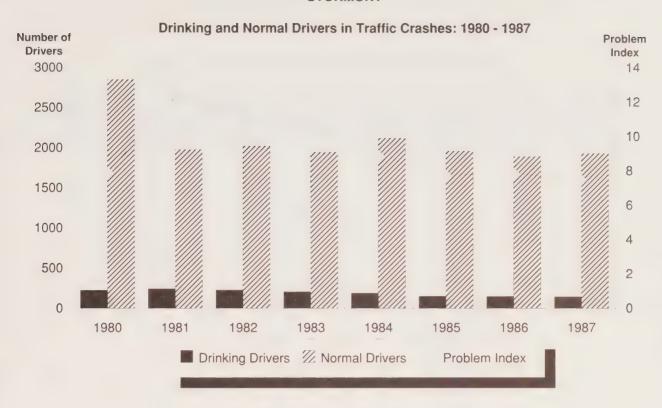
Year	Prop	perty l	Dama	age	Pe	rsona	l Injur	у		Fa	tal			To	tal	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D N	IOR	HBD	IMP	D/D	NOR
Male																
1980	71	33	104	1811	77	27	104	467	0	2	2 2	6	148	62	210	228
1981	64	44	108	945	90	23	113	485	0	1	1	4	154	68	222	143
1982	68	31	99	944	82	26	108	548	0	4	4	5	150	61	211	149
1983	53	41	94	932	60	25	85	458	0	4	4	9	113	70	183	139
1984	53	34	87	1049	56	22	78	463	1	1	2	3	110	57	167	151
1985	35	28	63	873	42	27	69	520	2	2	2 4	2	79	57	136	139
1986	34	25	59	852	42	28	70	451	1	5	6	2	77	58	135	130
1987	40	20	60	795	35	31	66	522	0	1	1	3	75	52	127	132
Femal	le															
1980	8	1	9	374	4	2	6	187	O		0	3	12	3	15	56
1981	12	1	13	324	8	0	8	216	O		0	1	20	1	21	54
1982	3	2	5	325	10	1	11	196	0	(0	2	13	3	16	52
1983	8	1	9	337	10	1	11	207	1	2	2 3	1	19	4	23	54
1984	6	4	10	413	12	0	12	195	O	(0	0	18	4	22	60
1985	8	2	10	342	5	1	6	222	C		0	3	13	3	16	56
1986	1	3	4	380	5	4	9	206	C	1	1	2	6	8	14	58
1987	4	4	8	374	6	3	9	234	0	(0	2	10	7	17	61
Total																
1980	79	34	113	2185	81	29	110	654	c	2	2 2	9	160	65	225	284
1981	76	45	121	1269	98	23	121	701	C			5	174	69	243	197
1982	71	33	104	1269	92	27	119	744	C			7	163	64	227	202
1983	61	42	103	1269	70	26	96	665	1	6		10	132	74	206	194
1984	59	38	97	1462	68	22	90	658	1			3	128	61	189	212
1985	43	30	73	1215	47	28	75	742	2	. 2		5	92	60	152	19
1986	35	28	63	1232	47	32	79	657	1			4	83	66	149	189
1987	44	24	68	1169	41	34	75	756	0			5	85	59	144	193

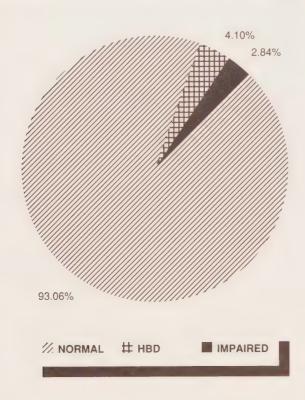
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

STORMONT





SUDBURY DISTRICT & REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1987

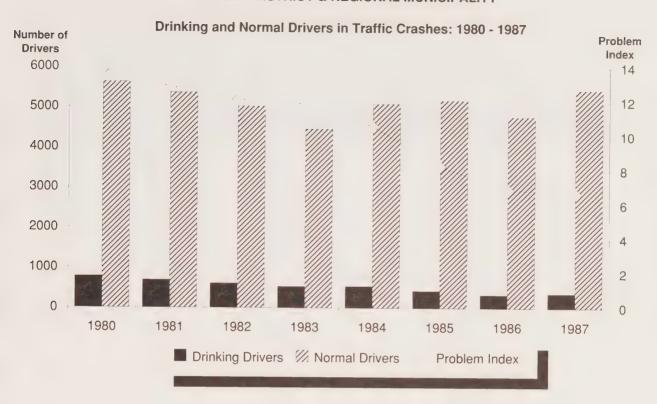
Year	Prop	perty l	Dama	age	Pe	rsona	l Injur	у			Fata	al			To	tal	
&									r		:						
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	IMP	D/D	NOR	HBD	IMP	D/D	NOF
Male																	
1980	206	146	352	2674	212	139	351	1549		4	20	24	26	422	305	727	42
1981	198	105	303	2571	184	112	296	1368		6	13	19	35	388	230	618	39
1982	161	122	283	2462	166	89	255	1207		2	9	11	16	329	220	549	36
1983	133	85	218	1997	132	100	232	1160		6	15	21	18	271	200	471	31
1984	141	81	222	2295	139	115	254	1343		3	11	14	30	283	207	490	36
1985	92	60	152	2204	125	83	208	1478		8	7	15	28	225	150	375	37
1986	71	44	115	1934	88	71	159	1400		6	8	14	28	165	123	288	33
1987	74	57	131	2174	100	78	178	1573	t	4	8	12	18	178	143	321	37
Fema	le																
1980	11	11	22	835	19	11	30	531		0	0	0	7	30	22	52	13
1981	22	10	32	856	19	17	36	519		1	1	2	8	42	28	70	13
1982	21	5	26	830	27	5	32	498		0	1	1	6	48	11	59	13
1983	16	9	25	739	19	14	33	535		0	0	0	6	35	23	58	12
1984	18	4	22	826	18	6	24	588		1	0	1	5	37	10	47	14
1985	14	5	19	809	19	13	32	651		0	0	0	8	33	18	51	14
1986	14	5	19	771	16	6	22	634		0	0	0	4	30	11	41	14
1987	9	3	12	930	20	8	28	737		1	1	2	10	30	12	42	16
Total																	
1980	217	157	374	3509	231	150	381	2080		4	20	24	33	452	327	779	56
1981	220	115	335	3427	203	129	332	1887		7	14	21	43	430	258	688	50
1982	182	127	309	3292	193	94	287	1705		2	10	12	22	377	231	608	50
1983	149	94	243	2736	151	114	265	1695		6	15	21	24	306	223	529	44
1984	159	85	244	3121	157	121	278	1931		4	11	15	35	320	217	537	50
1985	106	65	171	3013	144	96	240	2129		8	7	15	36	258	168	426	5
1986	85	49	134	2705	104	77	181	2034		6	8	14	32	195	134	329	47
1987	83	60	143	3104	120	86	206	2310	ľ	5	9	14	28	208	155	363	54

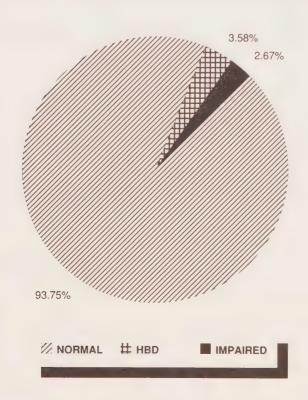
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SUDBURY DISTRICT & REGIONAL MUNICIPALITY





THUNDER BAY

Drivers Involved in Traffic Crashes, 1980 - 1987

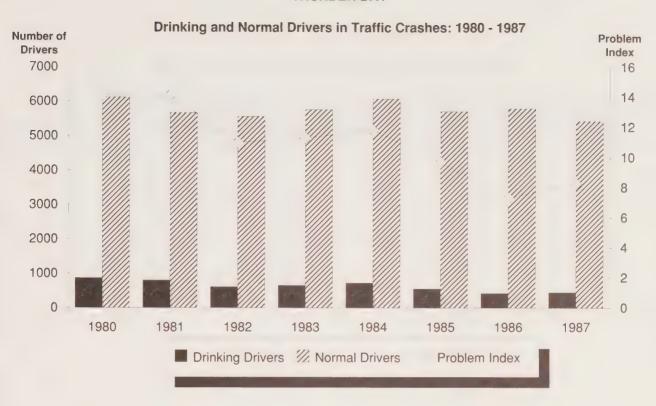
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	у	I	I	Fat	al			To	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	F	-IBD I	MP	D/D I	NOR	HBD	IMP	D/D	NOR
Male																	
1980	245	186	431	3279	208	122	330	1238		8	10	18	35	461	318	779	455
1981	257	152	409	2940	178	115	293	1218		4	9	13	22	439	276	715	418
1982	166	129	295	2985	141	106	247	1088		5	5	10	9	312	240	552	408
1983	184	127	311	2887	139	111	250	1158		5	9	14	25	328	247	575	407
1984	186	147	333	2983	163	121	284	1288		5	7	12	20	354	275	629	429
1985	159	109	268	2744	125	88	213	1222		3	8	11	20	287	205	492	398
1986	97	87	184	2561	92	81	173	1400		4	7	11	22	193	175	368	398
1987	112	79	191	2376	96	94	190	1322		1	4	5	18	209	177	386	371
Fema	le																
1980	30	8	38	1088	35	11	46	464		0	1	1	6	65	20	85	155
1981	20	19	39	1003	29	16	45	472		0	0	0	4	49	35	84	147
1982	18	14	32	1009	16	9	25	461		1	0	1	2	35	23	58	14
1983	24	9	33	1144	28	13	41	541		0	1	1	5	52	23	75	169
1984	22	24	46	1226	28	14	42	556		1	0	1	4	51	38	89	17
1985	21	17	38	1156	17	5	22	561		0	0	0	4	38	22	60	17
1986	12	10	22	1171	21	12	33	633	L	0	1	1	6	33	23	56	18
1987	13	13	26	1024	17	19	36	681	_	0	0	0	4	30	32	62	17
Total																	
1980	275	194	469	4367	243	133	376	1702		8	11	19	41	526	338	864	61
1981	277	171	448	3943	207	131	338	1690		4	9	13	26	488	311	799	56
1982	184	143	327	3994	157	115	272	1549		6	5	11	11	347	263	610	55
1983	208	136	344	4031	167	124	291	1699		5	10	15	30	380	270	650	57
1984	208	171	379	4209	191	135	326	1844		6	7	13	24	405	313	718	60
1985	180	126	306	3900	142	93	235	1783		3	8	11	24	325	227	552	57
1986	109	97	206	3732	113	93	206	2033		4	8	12	28	226	198	424	57
1987	125	92	217	3400	113	113	226	2003		1	4	5	22	239	209	448	54

KEY: HBD -- Drivers reported by police to have been drinking

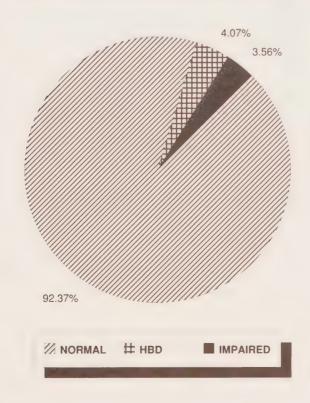
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

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THUNDER BAY



Condition of Drivers Involved in Traffic Crashes: 1987



TIMISKAMING

Drivers Involved in Traffic Crashes, 1980 - 1987

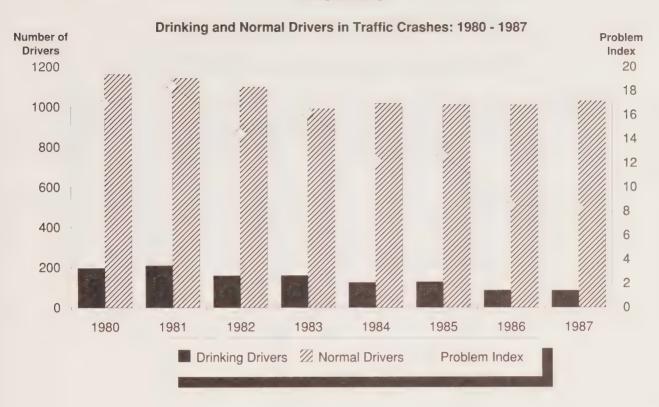
Year	Pro	perty	Dama	age	Pe	rsona	l Injur	y		Fa	atal			To	tal	
&										, N	11 1 12	8,1,61 x 1				in a si
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HI	BD IM	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	23	99	654	53	21	74	245		2	7 9	11	131	51	182	91
1981	59	37	96	610	66	25	91	262		2	3 5	10	127	65	192	88
1982	54	18	72	604	48	14	62	245		2	5 7	9	104	37	141	85
1983	59	28	87	505	48	12	60	237		0	3 3	4	107	43	150	74
1984	49	15	64	541	35	12	47	212		1	1 2	3	85	28	113	75
1985	39	17	56	504	47	15	62	263		1	0 1	5	87	32	119	77
1986	23	12	35	496	32	8	40	227		0	5 5	11	55	25	80	73
1987	21	13	34	490	23	15	38	259		1	0 1	8	45	28	73	75
Fema	le				:											
1980	8	1	9	163	4	2	6	87		0	0 0) 2	12	3	15	25
1981	11	3	14	160	3	0	3	98		0	1 1	2	14	4	18	26
1982	1	2	3	166	10	4	14	71		0	1 1	4	11	7	18	24
1983	3	0	3	172	2	3	5	71		0	2 2	2	. 5	5	10	24
1984	3	3	6	178	4	2	6	83		0	0 0) 1	7	5	12	26
1985	3	1	4	160	5	0	5	79		0	0 0	0	8	1	9	23
1986	3	1	4	162	1	1	2	113		0	0 0	0	4	2	6	27
1987	1	1	2	181	5	4	9	89	,_	1	0 1	1	7	5	12	27
Total																
1980	84	24	108	817	57	23	80	332		2	7 9	13	143	54	197	116
1981	70	40	110	770	69	25	94	360		2	4 6	12	141	69	210	114
1982	55	20	75	770	58	18	76	316		2	6 8	13	115	44	159	109
1983	62	28	90	677	50	15	65	308		0	5 5	6	112	48	160	99
1984	52	18	70	719	39	14	53	295		1	1 2	2 4	92	33	125	10
1985	42	18	60	664	52	15	67	342		1	0 1	5	95	33	128	10
1986	26	13	39	658	33	9	42	340		0	5 5	11	59	27	86	100
1987	22	14	36	671	28	19	47	348	_	2	0 2	9	52	33	85	102

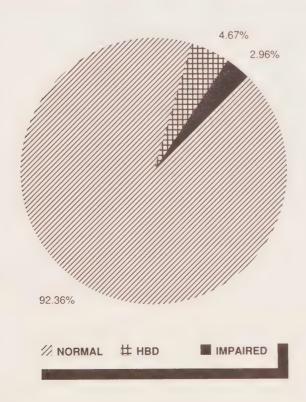
KEY: HBD -- Drivers reported by police to have been drinking

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TIMISKAMING





METROPOLITAN TORONTO & YORK REGION

Drivers Involved in Traffic Crashes, 1980 - 1987

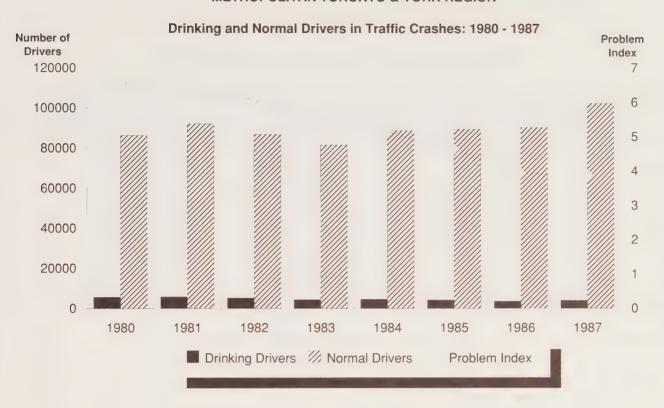
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fat	al			То	tal	
& Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	IMP	D/D I	NOR	HBD	IMP	D/D	NOR
Male																
1980	1518	1236	2754	43566	1171	1161	2332	23004	22	32	54	151	2711	2429	5140	6672
1981	1572	1280	2852	46696	1188	1155	2343	24316	14	25	39	132	2774	2460	5234	7114
1982	1449	1110	2559	43796	1106	1068	2174	22988	22	23	45	122	2577	2201	4778	6690
1983	1186	894	2080	39796	944	885	1829	21912	17	30	47	114	2147	1809	3956	6182
1984	1241	935	2176	42777	971	918	1889	24226	16	32	48	125	2228	1885	4113	6712
1985	906	753	1659	38373	1047	968	2015	28740	11	33	44	142	1964	1754	3718	6725
1986	801	648	1449	38018	876	853	1729	29295	16	21	37	123	1693	1522	3215	6743
1987	888	656	1544	42702	976	998	1974	33137	14	22	36	155	 1878	1676	3554	7599
Femal	le															
1980	144	107	251	12313	161	114	275	7217	1	3	4	48	306	224	530	1957
1981	158	112	270	13189	184	137	321	7703	2	2	4	24	344	251	595	2091
1982	138	97	235	12671	161	114	275	7213	3	4	7	27	302	215	517	1991
1983	129	88	217	12207	124	100	224	7509	0	1	1	27	253	189	442	1974
1984	120	101	221	13356	120	99	219	8209	1	1	2	29	241	201	442	2159
1985	105	82	187	12103	139	107	246	10149	4	2	6	31	248	191	439	2228
1986	89	72	161	12271	94	80	174	10652	0	5	5	24	183	157	340	2294
1987	102	78	180	14143	141	106	247	12221	2	2	4	38	 245	186	431	2640
Total																
1980	1662	1343	3005	55879	1332	1275	2607	30221	23	35	58	199	3017	2653	5670	8629
1981	1730	1392	3122	59885	1372	1292	2664	32019	16	27	43	156	3118	2711	5829	9206
1982	1587	1207	2794	56467	1267	1182	2449	30201	25	27	52	149	2879	2416	5295	868
1983	1315	982	2297	52003	1068	985	2053	29421	17	31	48	141	2400	1998	4398	8156
1984	1361	1036	2397	56133	1091	1017	2108	32435	17	33	50	154	2469	2086	4555	8872
1985	1011	835	1846	50476	1186	1075	2261	38889	 15	35	50	173	2212	1945	4157	8953
1986	890	720	1610	50289	970	933	1903	39947	16	26	42	147	1876	1679	3555	9038
1987	990	734	1724	56845	1117	1104	2221	45358	16	24	40	193	2123	1862	3985	10239

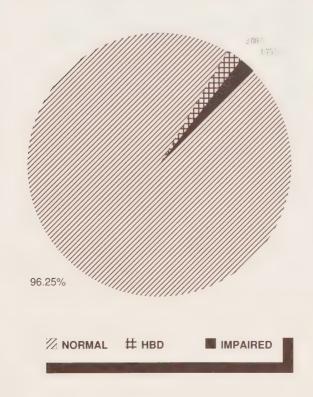
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METROPOLITAN TORONTO & YORK REGION





VICTORIA

Drivers Involved in Traffic Crashes, 1980 - 1987

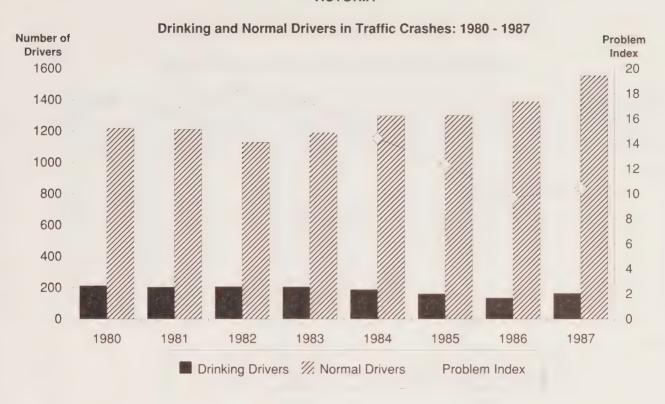
Year	Prop	perty l	Dama	age	Pe	rsona	l Injur	у		F	ata	ıl				To	tal	
&			:,											1 1 1 1 1				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	H	IBD IN	AP [D/D N	IOR	HE	3D	IMP	D/D	NOF
Male					191 191 191													
1980	64	29	93	564	81	17	98	316		2	2	4	6	1	47	48	195	88
1981	70	24	94	552	71	18	89	294		4	2	6	7	1	45	44	189	8
1982	57	22	79	511	80	21	101	290		2	3	5	8	1	39	46	185	8
1983	51	20	71	523	. 81	28	109	275		0	4	4	7	1	32	52	184	8
1984	51	24	75	603	66	19	85	282		5	3	8	6	1	22	46	168	8
1985	46	21	67	584	53	15	68	343		2	3	5	9	1	01	39	140	9
1986	26	16	42	615	47	21	68	367		2	5	7	12		75	42	117	9
1987	41	23	64	611	61	14	75	420		3	1	4	4	1	05	38	143	10
Femal	le																	
1980	8	1	9	207	7	1	8	121		0	0	0	3		15	2	17	3
1981	4	2	6	210	6	2	8	145		0	0	0	2		10	4	14	3
1982	5	1	6	186	9	2	11	129		0	4	4	2		14	7	21	3
1983	7	4	11	231	7	3	10	151		0	0	0	1		14	7	21	3
1984	4	4	8	245	10	0	10	158		0	1	1	3		14	5	19	_
1985	6	1	7	204	9	4	13	156		0	0	0	4		15	5	20	3
1986	5	3	8	240	6	3	9	154		0	0	0	0	33	11	6	17	3
1987	5	2	7	313	. 8	4	12	204	_	0	1	1	2		13	7	20	5
Total																		
1980	72	30	102	771	88	18	106	437		2	2	4	9	1	62	50	212	12
1981	74	26	100	762	. 77	20	97	439		4	2	6	9	1	55	48	203	12
1982	62	23	85	697	89	23	112	419		2	7	9	10	1	53	53	206	11
1983	58	24	82	754	88	31	119	426		0	4	4	8	1	46	59	205	11
1984	55	28	83	848	76	19	95	440		5	4	9	9	1	36	51	187	12
1985	52	22	74	788	62	19	81	499		2	3	5	13	1	16	44	160	13
1986	31	19	50	855	53	24	77	521		2	5	7	12		86	48	134	13
1987	46	25	71	924	69	18	87	624	_	3	2	5	6	1	18	45	163	15

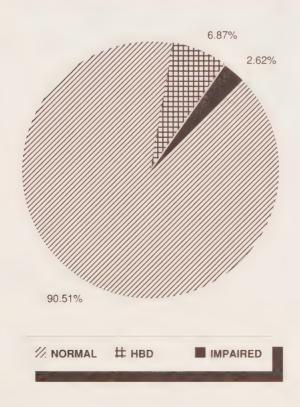
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VICTORIA





WATERLOO

Drivers Involved in Traffic Crashes, 1980 - 1987

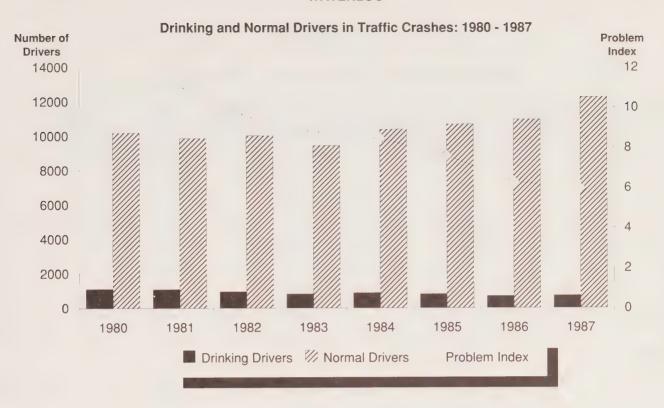
Year	Prop	perty	Dama	age	Pe	rsona	l Injur	у		Fat	al			То	tal	
&				- 12 A												
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	345	194	539	4996	265	182	447	2341	7	12	19	21	617	388	1005	735
1981	343	190	533	4896	242	202	444	2076	6	7	13	29	591	399	990	700
1982	298	168	466	4992	223	154	377	2047	8	7	15	21	529	329	858	706
1983	221	159	380	4489	194	146	340	2035	4	9	13	23	419	314	733	654
1984	232	151	383	4857	211	172	383	2319	9	5	14	16	452	328	780	719
1985	192	146	338	4521	216	158	374	2788	5	12	17	21	413	316	729	733
1986	179	113	292	4595	171	163	334	2893	4	6	10	20	354	282	636	750
1987	172	123	295	5062	184	169	353	3252	4	7	11	33	360	299	659	834
Fema	le															
1980	39	19	58	1849	32	14	46	967	1	0	1	10	72	33	105	282
1981	47	10	57	1940	28	15	43	912	0	0	0	3	75	25	100	285
1982	39	12	51	2062	31	16	47	886	0	1	1	6	70	29	99	295
1983	31	21	52	1902	29	14	43	982	0	0	0	7	60	35	95	289
1984	40	13	53	2143	30	16	46	1053	0	0	0	4	70	29	99	320
1985	17	15	32	2046	28	23	51	1305	0	0	0	6	45	38	83	335
1986	17	7	24	2056	15	17	32	1389	0	0	0	6	32	24	56	345
1987	18	14	32	2297	24	13	37	1610	0	1	1	6	42	28	70	391
Total																
1980	384	213	597	6845	297	196	493	3308	8	12	20	31	689	421	1110	1018
1981	390	200	590	6836	270	217	487	2988	6	7	13	32	666	424	1090	985
1982	337	180	517	7054	254	170	424	2933	8	8	16	27	599	358	957	1001
1983	252	180	432	6391	223	160	383	3017	4	9	13	30	479	349	828	943
1984	272	164	436	7000	241	188	429	3372	9	5	14	20	522	357	879	1039
1985	209	161	370	6567	244	181	425	4093	5	12	17	27	458	354	812	1068
1986	196	120	316	6651	186	180	366	4282	4	6	10	26	386		692	1095
1987	190	137	327	7359	208	182	390	4862	4	8	12	39	402	327	729	1226

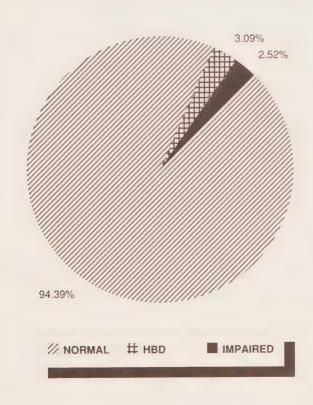
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

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Drivers Involved in Traffic Crashes, 1980 - 1987

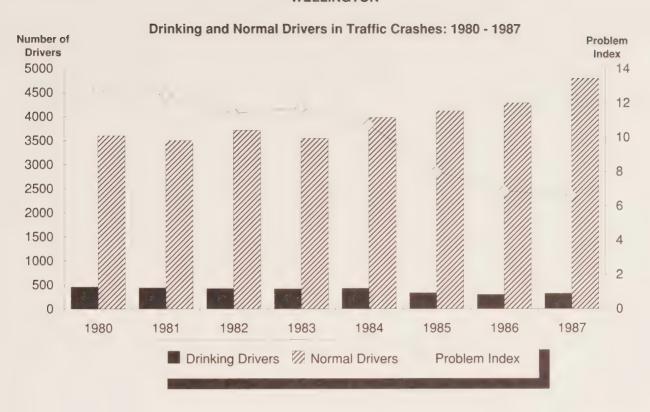
Year	Prop	perty l	Dama	age	Pei	rsona	l Injur	у	F	ata	al			To	tal	
&			11 44 11	· · · · · · · · · · · · · · · · · · ·												
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP	D/D I	NOR	HBD	IMP	D/D	NOF
Male																
1980	160	69	229	1730	120	63	183	851	11	5	16	16	291	137	428	259
1981	136	52	188	1586	138	52	190	894	5	6	11	19	279	110	389	24
1982	136	54	190	1663	132	55	187	962	5	6	11	19	273	115	388	26
1983	128	51	179	1577	132	48	180	890	6	4	10	24	266	103	369	24
1984	127	60	187	1841	116	58	174	941	6	6	12	19	249	124	373	28
1985	72	44	116	1659	118	48	166	1181	3	8	11	26	193	100	293	28
1986	95	28	123	1705	88	36	124	1257	2	4	6	16	185	68	253	29
1987	80	36	116	1869	105	51	156	1454	5	8	13	16	190	95	285	33
Femal	le															
1980	12	5	17	631	9	2	11	365	0	0	0	2	21	7	28	9
1981	16	7	23	634	20	2	22	361	2	0	2	2	38	9	47	9
1982	14	3	17	664	13	3	16	397	1	0	1	5	28	6	34	10
1983	11	6	17	662	20	6	26	386	2	0	2	4	33	12	45	10
1984	25	5	30	743	14	9	23	426	0	0	0	7	39	14	53	11
1985	7	7	14	719	12	8	20	518	1	1	2	10	20	16	36	12
1986	10	2	12	693	21	6	27	604	1	1	2	6	32	9	41	13
1987	8	4	12	761	16	3	19	690	0	1	1	8	24	8	32	14
Total																
1980	172	74	246	2361	129	65	194	1216	11	5	16	18	312	144	456	35
1981	152	59	211	2220	158	54	212	1255	7	6	13	21	317	119	436	34
1982	150	57	207	2327	145	58	203	1359	6	6	12	24	301	121	422	37
1983	139	57	196	2239	152	54	206	1276	8	4	12	28	299	115	414	35
1984	152	65	217	2584	130	67	197	1367	6	6	12	26	288	138	426	39
1985	79	51	130	2378	130	56	186	1699	4	9	13	36	213	116	329	4
1986	105	30	135	2398	109	42	151	1861	3	5	8	22	217	77	294	42
1987	88	40	128	2630	121	54	175	2144	5	9	14	24	214	103	317	47

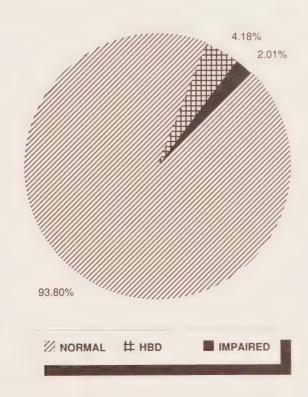
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

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CA20N AJ60 -D62



DRINKING & DRIVING IN ONTARIO

Statistical Yearbook 1988 - 1989



Drinking/Driving Countermeasures Office
Ministry of the Attorney General





DRINKING & DRIVING IN ONTARIO

Statistical Yearbook 1988 - 1989

March 1991



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1.0 INTRODUCTION

1.1 Background

The decade of the 80s witnessed a tremendous resurgence of efforts to reduce the magnitude of problems associated with driving after drinking. In Ontario, organizations like People to Reduce Impaired Driving Everywhere (PRIDE) were at the forefront of these efforts. Similar groups were active in other provinces and most of the United States. Governments responded with new, tougher laws, stricter enforcement, and stiffer penalties for offenders. Along with this traditional approach, however, came a long-term commitment and a willingness to support community-based initiatives.

Perhaps most remarkable is the degree to which the overall effort in Ontario has been broadened and sustained. At the beginning of the decade, efforts were focussed on drinking-driving countermeasure activities during the month of December. Today, enforcement "blitzes", information and awareness campaigns, educational programs, and a host of local initiatives take place throughout the year. And the collective success of these and other efforts in Ontario over the past several years is reflected in statistics on drinking-driving. Progress has been made. But it is critical that this success not breed complacency. The momentum must be sustained -- while the statistics give cause for satisfaction, at the same time they underscore the substantial distance yet to go in the battle against drinking and driving. The number of people killed and injured on Ontario's roadways as a result of driving after driving is unacceptable. Every year, thousands of lives are irreparably altered by the tragedy of a drinking driver. Some scholars in the field have suggested that the easy battles have been won -enforcement and persuasive techniques have converted those most accepting of the message, those easiest to change. But new, bolder initiatives are necessary to reach those most resistant to change -- the "hard-core", heavy drinker. The success of past efforts, however, should provide the encouragement and strength to face the challenges that remain.

1.2 Why a "Statistical" Yearbook?

Statistics on impaired driving are a "window" through which one can view part of the reality of drinking and driving, at least in aggregate. To achieve the greatest impact possible from countermeasure activities, there is periodic need for **information** to monitor progress, to reassess strategies and tactics, and to direct efforts more effectively. In this way, however cold-hearted they seem, statistics on drinking and driving serve a most worthwhile function.

Ontario has many sources of information on drinking and driving that offer insights into the magnitude of this problem and the characteristics of those who drive after drinking. Given the quality of data available, it is also possible to monitor drinking-driving over time and thus describe trends in the alcohol-crash problem.

One aim of the Drinking/Driving Countermeasures Office is to provide useful information to people concerned about drinking and driving, particularly those active in communities across Ontario. In keeping with this aim, the main purpose of this, the third statistical report on drinking-driving in Ontario, is to give ready access to data descriptive of drinking-driving problems in the province as a whole, as well as in each of Ontario's counties and regional municipalities.

Despite the apparent utility of this information, there is a risk in publishing these statistics: numbers of drinking drivers involved in traffic crashes may seem "insignificant" in some areas, especially in counties with lesser populations. The complacency induced by the "small" numbers of crashes caused by impaired drivers in a community can be a disservice to many residents: to the victims **and** to their families, friends, and employers. Of course, when the toll of deaths, injuries, and property damage for Ontario as a whole is examined, the problem of drinking and driving appears as it is -- a very large, *intolerable* burden of loss and waste.

1.3 Scope of This Report

This report presents data on the number of drinking drivers involved in motor vehicle collisions in Ontario for the years 1988 and 1989. The following section provides an overview of some of the major highlights from 1988 and 1989. More detailed descriptions of the data, a review of the magnitude and characteristics of the problem in Ontario, and trends in drinking and driving are presented in Section 3. To a large extent, the report relies on charts and graphs to convey this information. The text that accompanies these charts is provided as a guide through the seemingly complex array of numbers. As well, significant findings and changes from previous years are highlighted.

The bulk of the data are contained in a series of tables and figures in the Appendices. Appendix A presents aggregate data for the whole province. Appendix B contains detailed information about crash-involved drinking drivers in each county and regional municipality in Ontario.

2.0 Highlights from the Statistical Yearbook: 1988 - 1989

2.1 Alcohol Use Among Drivers Involved in Traffic Crashes

*** During 1988, 361,210 drivers were involved in traffic crashes in Ontario. Police reported that 17,819 (4.9%) of these drivers had consumed alcohol prior to the crash. Of these drinking drivers, 7,306 (41%) were judged by police to have their ability to drive impaired by alcohol; 10,513 (59%) were reported to have been drinking [Table 1].

*** During 1989, the total number of drivers involved in traffic crashes rose to 391,143 but the number of drinking drivers involved in traffic crashes dropped to 17,488 (4.5%). Of these drinking drivers, 7,501 (43%) were judged by police to have their ability impaired by alcohol; 9,987 (57%) were reported to have been drinking [Table 1].

*** In 1988, of the 7,306 crash-involved drivers judged **impaired** by alcohol, 244 of them (3.3%) were involved in fatal crashes; 3,475 (44.6%) were involved in injury crashes; and 3,587 (49.1%) in property-damage crashes. In 1989, 160 (2.1%) of the drivers judged impaired were involved in fatal crashes; 3,556 (47.4%) were involved in injury crashes; and 3,785 (50.4%) in property-damage crashes [Table 1].

*** It has been well-established that the more serious a traffic crash, the more likely a drinking driver was involved. In 1988, about 4% of drivers involved in *property-damage* crashes and 6.5% of drivers involved in *injury* crashes were reported to have consumed alcohol; by contrast, about one in four (26%) drivers involved in *fatal* crashes had been drinking or was impaired. In 1989, the percentages were 3.6%, 6%, and 22% for property damage, personal injury, and fatal crashes, respectively [Table 1].

*** Among drivers fatally injured in traffic crashes and tested for alcohol in 1988, 33.7% (175/520) had a blood alcohol concentration (BAC) over 80 mg%, the limit defining impairment in the Criminal Code of Canada. In 1989, 32.7% (191/584) of fatally injured drivers had a BAC over 80 mg% [Table 9].

2.2 Characteristics of Drivers Involved in Traffic Crashes: Gender and Age

*** In 1988, most (88.5%) of the drinking drivers involved in crashes of any severity were male. In 1989, males accounted for an almost identical proportion (88.9%) of crash-involved drinking drivers [Tables 2A & 2B].

*** Taken together, in 1988 and 1989 the percentage of male drinking drivers in injury crashes was 88% [Tables 2A & 2B].

*** Male drivers were even more prominent in **fatal** crashes in 1988 and 1989; of 758 drinking drivers in fatal crashes, 697 (92%) were male [Tables 2A & 2B].

*** 25-34 year-olds accounted for the largest percentage of drivers judged impaired by alcohol -- 38% in 1988 and 1989, combined. They were followed by 16-24 year-olds (26%) and 35-44 year-olds (20%) [Tables 2A and 2B].

*** Among drivers reported by police as "had been drinking" in 1988 and 1989, 16-24 year-olds were most numerous (37.5%); next most frequent were 25-34 year-olds (35%) and 35-44 year-olds (15%) [Tables 2A & 2B].

*** Compared to their numbers in the *licensed driver population*, **16-24** year-olds and **25-34** year-olds were **overrepresented** among crash-involved drinking drivers. For example, the percentage of 16-24 year-olds among crash-involved drinking drivers (33%) was **more than twice** their percentage in the licensed driver population (15%) [Tables 7A & 7B].

2.3 Hour, Day, and Month of Crashes Involving Drinking Drivers

Drinking drivers crash at all hours, any day of the week, every month of the year -- but more often during some times than others.

- *** In 1988 and 1989 combined, 69% of drinking drivers were involved in crashes in the nine-hour period between 6 p.m. and 3 a.m. [Tables 3A & 3B].
- *** Almost two-thirds (66%) of drinking drivers (as reported by police) were involved in crashes on Friday, Saturday, or Sunday [Tables 4A & 4B].
- *** Numbers of crash-involved drinking drivers are usually greater in the summer months than in winter months. In the two-year period 1988-89, police reported 28% more drinking drivers were involved in personal injury crashes during June, July, and August than in January, February, and December. The number of drinking drivers involved in fatal crashes during the summer months was 59% higher than during the winter months [Tables 5A & 5B].

2.4 Ontario Counties and Regional Municipalities

- *** Not surprisingly, the greater the population of a county or regional municipality, the greater the number of drivers involved in traffic crashes. Thus, **numbers** of normal and drinking drivers involved in crashes increase with increasing population. During 1989, the number of drinking drivers in crashes ranged from 40 (Rainy River) to 4,172 (Metropolitan Toronto and York Region combined) [Table 10B].
- *** In general, the **percentage** of crash-involved drivers reported by police to have consumed alcohol (had been drinking, ability impaired) **decreases** with increasing population. For example, in 1988, Metropolitan Toronto and York Region had the largest population (2.5 million) and the lowest **percentage** of drinking drivers among crash-involved drivers (3.5%). The county of Manitoulin had the smallest population (6,771) and the highest percentage of crash-involved drinking drivers (17.5%) [Table 10A].

*** During 1988 in Ontario, the average number of crash-involved *drinking* drivers per 1,000 population was **2.0**. Rates varied by county and regional municipality, ranging from 1.4 crash-involved drinking drivers per 1,000 population in Ottawa-Carleton to 6.5 drinking drivers per 1,000 population in Manitoulin [Table 10A].

*** For comparison, during 1988 in Ontario, the average number of crash-involved *normal* drivers per 1,000 population was **37.7**. Rates of crash-involved drivers reported as normal also varied by jurisdiction. Rates ranged from 18.7 normal drivers per 1,000 population in Prince Edward County to 47.0 normal drivers per 1,000 population in Kenora [Table 10A].

2.5 Trends in Drinking and Driving

*** Since 1980 in Ontario, the annual number of crash-involved drinking drivers has dropped substantially. In 1980, police reported 30,101 drivers as "had been drinking" or "impaired". In 1989, police reported 42% fewer drinking drivers (17,488) [Table 6]. In contrast, the number of crash-involved drivers reported as "normal" increased 32%: from 283,005 in 1980 to 373,655 in 1989 [Table 1].

*** From 1980 to 1989, the number of people licensed to drive in Ontario increased by 26% (from 4.99 to 6.29 million). **Despite this increase, the number of crash-involved drinking drivers decreased.** As a result, the number of crash-involved drinking drivers *per 1,000 licensed drivers* fell by **58%** (from 6.63 to 2.78) [Table 6].

*** Among all crash-involved drivers reported by police, the percentage of drinking drivers has dropped steadily, from 9.6% in 1980 to a ten-year low of 5.5% in 1989.

*** Only persons fatally injured in traffic crashes are routinely tested for alcohol use. Among those most frequently tested are automobile drivers who are 16 years of age or older and who die within 6 hours of crash involvement. This is one of the most reliable indicators of alcohol involvement in traffic crashes. The percentage of automobile driver fatalities with BACs over 80 mg% has dropped from 49.2% of those tested in 1980 to 29.5% in 1989 -- the lowest figure reported since these data became available in Ontario.

3.0 STATISTICS ON DRINKING AND DRIVING: 1988-1989

3.1 Sources of Statistics

Statistics for this report were compiled from a number of sources. Again this year, detailed information on drivers involved in traffic crashes received from the Ontario Ministry of Transportation comprise the primary source of data. These data come from Motor Vehicle Accident Reports completed by investigating police officers. Because the focus of this report is on **drinking drivers** involved in traffic crashes, these statistics complement those published each year by the Ministry of Transportation in the Ontario Road Safety Annual Report (available from the Safety Co-ordination and Development Office of the Ministry). Although derived from the same source, the numbers in this report do not necessarily match those reported by the Ministry of Transportation in the Ontario Road Safety Annual Report. The disparities are, however, nominal (i.e., less than 1%) and are a result of slightly different criteria used to select cases for inclusion.

Statistics from the Fatality Database developed and maintained by the Traffic Injury Research Foundation of Canada (TIRF), and funded jointly by Transport Canada and the Canadian Council of Motor Transport Administrators, are also presented. Based on reports by coroners and toxicologic tests for alcohol in blood, the Fatality Database contains information on the presence and the amount of alcohol consumed by drivers fatally injured in traffic crashes. In reporting these data, only drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles are excluded), 16 years of age and over, dying within 6 hours of crash involvement are included. These data have been collected in Ontario since 1973 and are used to describe trends in drinking driver fatalities.

Ontario data from the Canadian Centre for Justice Statistics (CCJS) on the number of persons charged with impaired-driving offences are also summarized. Similar data from previous years are used to describe the changing pattern of impaired driving charges in Ontario.

3.2 Drinking/Driving Statistics: Definitions

To aid in the understanding and interpretation of the numbers contained in this report, the following definitions and descriptive comments are provided.

3.2.1 Drivers Involved in Traffic Crashes. Data on the number of drivers involved in traffic crashes reported by police are the basis from which information about drinking drivers is derived. It is important to bear in mind that drivers, not crashes, form the basic "unit of analysis". For example, in any given crash reported by the police, there may be more than one driver involved. Information about alcohol use is reported for every driver, even if there are several drivers involved in the crash. Counting drivers, not crashes, may appear to underestimate the extent of the alcohol-crash problem, but more accurately reflects the extent of alcohol use by drivers who become involved in crashes.

Drivers involved in crashes are then divided into three groups on the basis of information about their use of alcohol as reported by investigating police officers:

- o **Normal** (NOR): Driver's condition was apparently normal; i.e., in the opinion of the investigating officer, the driver had *not* been drinking.
- o **Had Been Drinking** (HBD): Driver had consumed alcohol but, in the opinion of the investigating officer, did not have a blood alcohol concentration (BAC) over the legal limit, nor was the driver otherwise impaired by alcohol.
- o Ability to Drive Impaired by Alcohol (IMP): Driver had a BAC over the legal limit (80 mg%) or was judged impaired by alcohol by the investigating officer.

In addition, drivers in the second and third groups above have been combined in a category termed **Drinking Drivers** (D/D). The term *drinking drivers*, then, refers to all crash-involved drivers reported to have consumed alcohol, that is, to have a positive BAC.

Information about the severity of crashes in which drivers were involved correspond to those used by the police and the Ministry of Transportation.

- o **Property Damage**: Crashes that result in damage to property but no reported injury to persons involved. Crashes causing \$700 or more damage are by law "reportable" by police.
- o **Personal Injury**: Crashes that result in injury to one or more persons involved, but no person *died* of injuries sustained in the crash within thirty days. Of course, personal injury crashes usually cause damage to property, too.
- o **Fatal**: One or more persons involved in a crash die of the injuries sustained, within thirty days. Nonfatal injury to others as well as property damage may also occur in such crashes.
- 3.2.2 Drivers Fatally Injured in Traffic Crashes. In Ontario, most drivers killed in traffic crashes are tested for the presence and amount of alcohol. Especially for drivers dying within a few hours of crash involvement, tests for alcohol are routine. In this report, data on alcohol use among drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles are excluded), who were 16 years of age or older, and who died within six hours of crash involvement are included. Data on alcohol use by fatally injured drivers come from the TIRF Fatality Database.
- 3.2.3 Persons Charged with Impaired-driving Offences. As reported by the Canadian Centre for Justice Statistics, the number of "persons charged" with impaired driving offences does not represent an "unduplicated count" of individuals charged in a year. Thus, a person charged on more than one occasion will be counted every time they are charged by the police with an impaired driving offence. "Impaired-driving offences" include driving while impaired, over 80 mg%, and failing or refusing to provide a breath sample -- for the years 1974 1985 -- and, for 1986 through 1989, the additional offences of impaired operation of a motor vehicle, vessel, or aircraft (i.e., impaired operation causing death, causing bodily harm, or over 80 mg%) and failing or refusing to provide a breath or blood sample. Rates of persons charged with such offences are the number of persons charged per 100,000 population.

3.2.4 Measuring the Magnitude of the Problem Over Time. As a means to assess changes in the alcohol-crash problem over time, this report describes trends in such common "indicators" as: (1) the number and percentage of drinking drivers involved in traffic crashes; (2) the number and percentage of driver fatalities with BACs over 80 mg%; and (3) rates of crash-involved drinking drivers per 1,000 population and per 1,000 licensed drivers.

The ratio of crash-involved drinking drivers to crash-involved "normal" drivers -the Problem Index, described in the previous Statistical Yearbook -- is also presented as a measure to track the alcohol-crash problem over time. Because many factors -- such as weather conditions, seasonal patterns of weather and driving, the state of the economy -- can influence the total number of traffic crashes, simply counting the number of drinking drivers involved in crashes would not reveal whether changes from year to year were the result of specific drinkingdriving countermeasure efforts or a consequence of the many other conditions and forces that may have caused the number of all crashes to change. The ratio of drinking driver crashes to nondrinking driver crashes, however, essentially controls for factors that exert a general influence on motor vehicle crash rates and permits an assessment of the extent to which the number of crash-involved drinking drivers has changed relative to the number of crash-involved "normal" drivers. Drinking-driving countermeasure efforts would be expected to have a differential impact on crashes involving drinking drivers; if this occurred, it would be shown by a decrease in the Problem Index.

In the following sections, the drinking-driving statistics described above are presented to review the magnitude and characteristics of the problem in Ontario during 1988 and 1989, differences among counties and regional municipalities, and trends in drinking and driving. Detailed tables containing the data described in the following sections are presented in Appendix A. Statistics for each county and regional municipality are presented in Appendix B.

3.3 Magnitude of the Problem and Characteristics of Crash-Involved Drivers

Figures 1a and 1b (1988 and 1989, respectively) show the percent of drivers involved in traffic crashes in Ontario reported as normal, had been drinking (HBD), or ability impaired by alcohol. About 4.9% of all crash-involved drivers in 1988 (19,819) and 3.5% (17,488) in 1989 were reported to have consumed alcohol prior to the crash (i.e., had been drinking and impaired, combined).

Figures 2a and 2b show the distribution of crashes involving drinking drivers and normal drivers across the four seasons. If collisions were evenly distributed across the seasons, then 25% of them would occur in each season. (The line denoting the average illustrates this). Values above the line show a greater percent than expected; values below it, a lower than expected frequency. As can be seen, normal drivers have more of their crashes in winter (December, January, and February) and less than expected in the spring (March, April, and May). Drinking drivers crash more frequently in the summer (June, July, and August) and fall (September, October, and November) and less frequently in the winter. The smaller number of drinking drivers in crashes during winter may, to some extent, reflect the impact of drinking-driving countermeasures.

Figures 3a and 3b group normal and impaired drivers by hour of crash for 1988 and 1989, respectively. In both years, the majority of drivers reported by police as normal crashed between 9 a.m. and 3 p.m. In contrast, most impaired drivers crashed between 6 p.m. and midnight.

Figures 4a and 4b present the percentage of drinking and normal drivers involved in crashes according to day of week for 1988 and 1989, respectively. From Monday to Thursday, the percent of normal drivers involved in crashes exceeds that of drinking drivers. On Saturday and Sunday, however, a greater proportion of crashes involving drinking drivers occur. Over 25% of the collisions of drinking drivers occur on Saturday, primarily during early morning and late evening hours.

Figure 5 shows the percentage of each age group among crash-involved drivers judged impaired by police in 1988 and 1989. *Drivers age 25-34 accounted for over one-third of crash-involved impaired drivers in both 1988 and 1989.* Drivers

age 19-24 were the second largest group in both years, accounting for just over 20% of all crash-involved impaired drivers. The youngest (i.e., 16-18 years) and oldest groups (over 65 years) comprised the smallest proportions of crash-involved impaired drivers in both years.

Figures 6a and 6b (for male drivers) and Figures 7a and 7b (for female drivers) present comparative information on different age groups in the licensed-driver and crash-involved populations for 1988 and 1989, respectively. The vertical axis indicates the percentage of each population that an age group represented in each year. Figures 6a and 6b show that in both 1988 and 1989 male drivers aged 16-18, 19-24 and 25-34 were overrepresented both among crash-involved drinking drivers and normal drivers, relative to their representation in the male licensed driver population. For example, 19-24 year old males comprised 12% of all male licensed drivers in 1988 but 27% of all male crash-involved drinking drivers. A very similar pattern is evident for female drivers in both 1988 and 1989 (Figures 7a and 7b, respectively). Female drivers age 16-18, 19-24, and 25-34 are overrepresented among crash-involved drinking and normal drivers, relative to their representation in the female licensed driver population.

Figure 8 displays the "Problem Index" (PI) for each age group of crash-involved drivers in 1987, 1988, and 1989. The Problem Index is simply the number of crash-involved drinking drivers divided by the number of crash-involved normal drivers with the result multiplied by 100. The PI indicates the degree to which drinking and driving is a problem in each age group. Drivers age 19-24 and 25-34 have the highest PIs among all age groups.

Combining all age groups gives a PI value for the province as a whole; this dropped steadily from 1987 through 1989.

Figure 1a
Condition of Drivers Involved
in Traffic Crashes (1988)

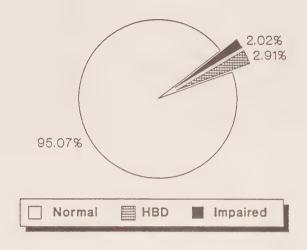


Figure 1b
Condition of Drivers Involved in Traffic Crashes (1989)

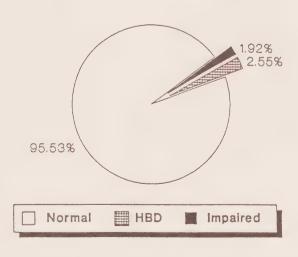


Figure 2a

Normal and Drinking Drivers in Crashes: Drivers Grouped By Season (1988)

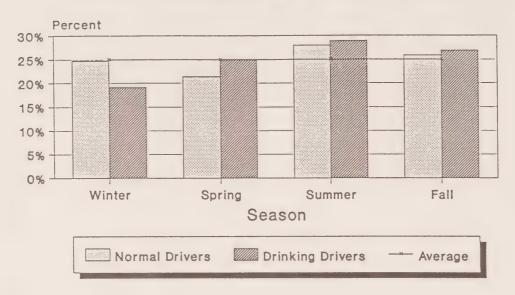


Figure 2b

Normal and Drinking Drivers in Crashes: Drivers Grouped By Season (1989)

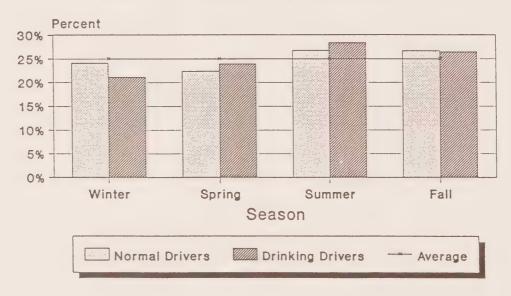


Figure 3a
Normal and Drinking Drivers Grouped
by Hour of Crash (1988)

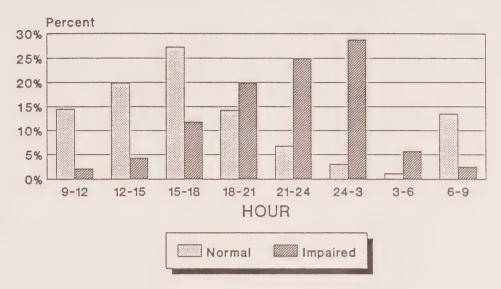


Figure 3b

Normal and Drinking Drivers Grouped

by Hour of Crash (1989)

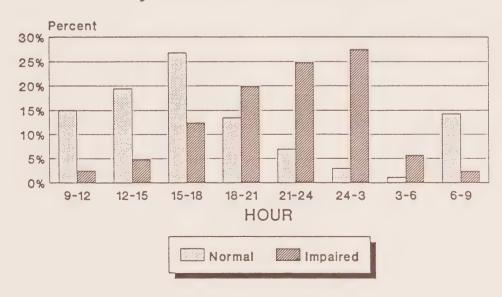


Figure 4a

Drinking Drivers Involved in Crashes: Drivers Grouped by Day of Week, 1988

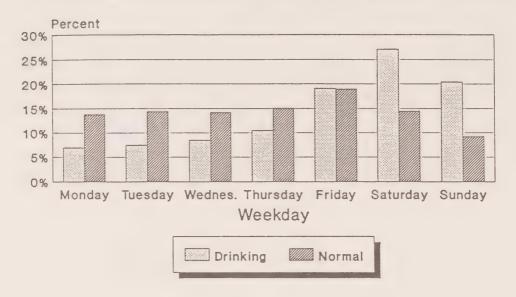
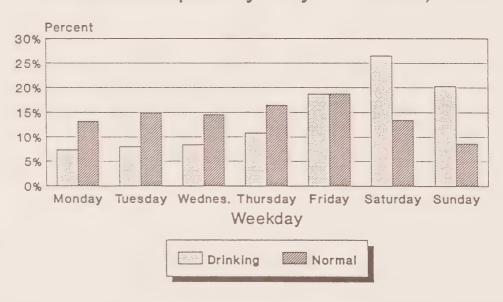


Figure 4b
Drinking Drivers Involved in Crashes:
Drivers Grouped by Day of Week, 1989



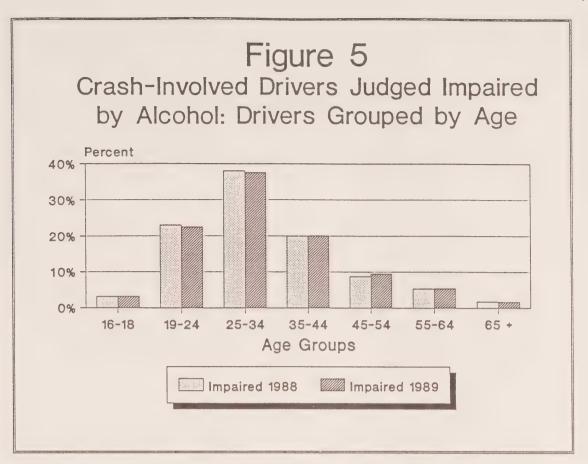


Figure 6a

Percentage of Age Groups as Licensed and Crash-Involved Male Drivers, 1988

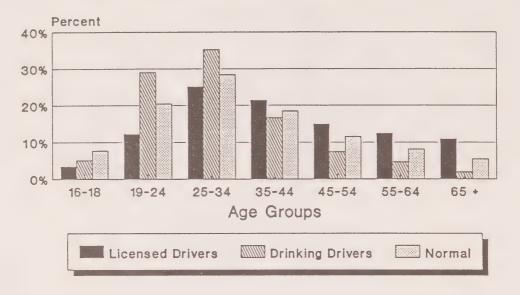


Figure 6b

Percentage of Age Groups as Licensed and Crash-Involved Male Drivers, 1989



Figure 7a

Percentage of Age Groups as Licensed and Crash-Involved Female Drivers, 1988

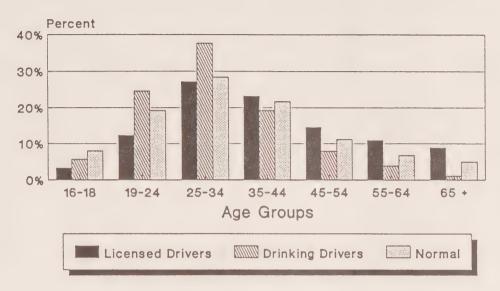
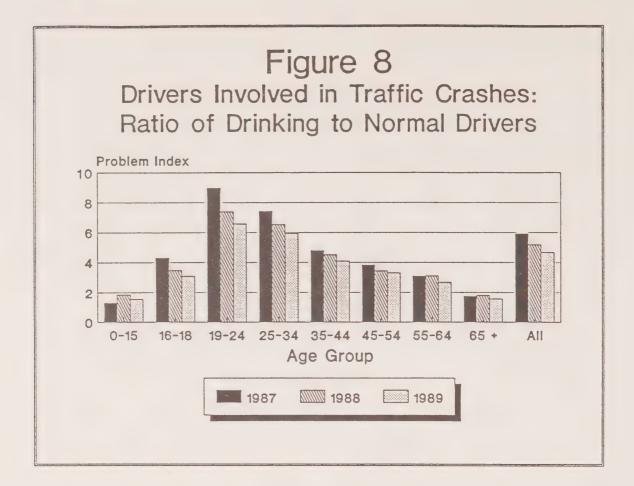


Figure 7b

Percentage of Age Groups as Licensed and Crash-Involved Female Drivers, 1989





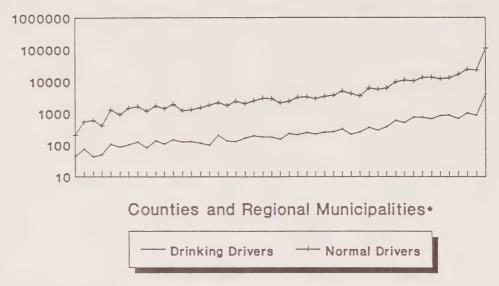
3.4 The Problem of Drinking and Driving in Ontario: Counties and Regional Municipalities

Although the problem of drinking and driving exists throughout the province, its magnitude varies considerably among counties and regional municipalities. It is perhaps not surprising that the police report greater numbers of crash-involved drinking drivers in areas with greater populations. For example, in Figures 9a and 9b, the numbers of normal and drinking drivers involved in crashes are displayed for counties and regional municipalities, ordered by increasing population, for 1988 and 1989, respectively. As population increases, so too do the numbers of both normal and drinking drivers involved in crashes. Note that the numbers on the vertical axis increase by a factor of 10 (i.e., log scale). While this allows the numbers to be displayed on a single graph, it compresses the magnitude of the differences in the number of crashes between regions. For example, the number of drinking driver crashes in 1988 (Figure 9a) varies from 43 in Rainy River to 4,029 in Metropolitan Toronto and York County. (The actual number of crashinvolved normal and drinking drivers for each county and regional municipality in 1988 and 1989 can be found in Appendix A, Tables 10A and 10B, and in more detail in Appendix B).

Figures 10a and 10b chart rates of crash-involved drinking and normal drivers per 1,000 population for each county and regional municipality in 1988 and 1989, respectively. Again, counties and regional municipalities are arranged in order of increasing population. In both 1988 and 1989, areas with greater populations generally had higher rates of crash-involved normal drivers and lower rates of crash-involved drinking drivers. Some areas with small populations had high rates of crashes for both normal and drinking drivers.

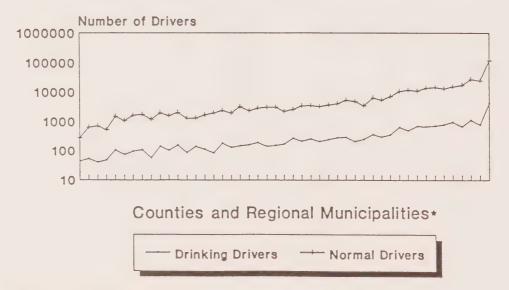
Figures 11a and 11b display the Problem Index -- the ratio of drinking to normal drivers involved in crashes -- for counties and regional municipalities for 1988 and 1989, respectively. As in previous figures, counties and regional municipalities are arranged in order of increasing population. In general, there is a tendency for jurisdictions with greater populations to have lower PI values.

Figure 9a
Number of Drinking and Normal Drivers
Involved in Traffic Crashes, 1988



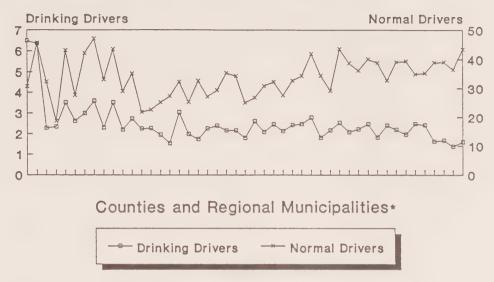
· ordered by increasing population

Figure 9b
Number of Drinking and Normal Drivers
Involved in Traffic Crashes, 1989



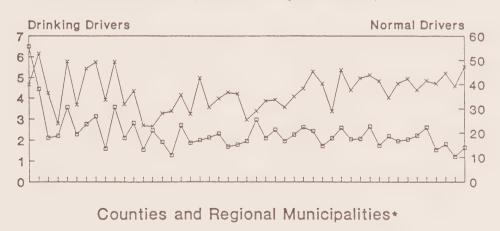
· ordered by increasing population

Figure 10a
Crash-Involved Drinking and Normal
Drivers Per 1,000 Population, 1988



· ordered by increasing population

Figure 10b
Crash-Involved Drinking and Normal
Drivers Per 1,000 Population, 1989

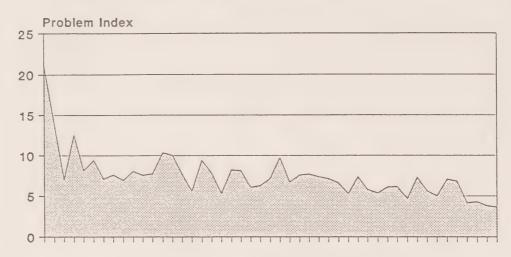


-- Drinking Driver -- Normal Driver

· ordered by increasing population

Figure 11a

Indexing the Problem of Drinking and Driving: The Problem Index 1988

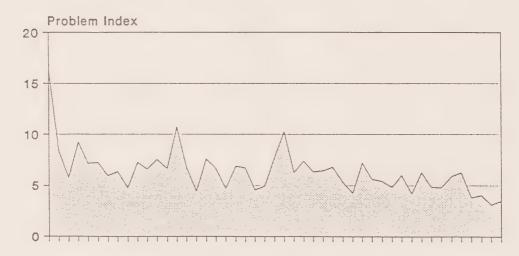


Counties and Regional Municipalities*

· ordered by increasing population

Figure 11b
Indexing the Problem of Drinking and

Driving: The Problem Index 1989



Counties and Regional Municipalities*

· ordered by increasing population

3.5 Trends in Drinking and Driving in Ontario

This section examines trends in drinking and driving in Ontario over the past several years using a number of indicators of the problem.

Figure 12 displays the number of crash-involved drinking male and female drivers from 1980 through 1989. The actual number of crash-involved drinking drivers declined from over 30,000 in 1980 to 17,488 in 1989 -- a 42% decrease! The decrease was greater for male crash-involved drinking drivers (a 43% decline) than for females (30%). However, the large decreases in the number of crash-involved drinking drivers evident during the early 1980s have leveled off and since 1986, the annual number of crash-involved drinking drivers has remained relatively stable.

Other indicators reveal a similar trend. Figure 13 presents trends in two different rates -- the number of crash-involved drinking drivers per 1,000 licensed drivers and per 1,000 population, from 1980 though 1989. During this period, the number of crash-involved drinking drivers per 1,000 licensed drivers dropped 58%, from 6.63 to 2.78; the rate per 1,000 population fell 45%, from 3.50 to 1.92. Again, however, the rather dramatic decreases observed in the early 1980s slowed later in the decade. Since 1986, the number of crash-involved drinking drivers per 1,000 licensed drivers decreased by 9%; the rate per 1,000 population has declined by only 1%.

Figure 14 presents the annual number of crash-involved normal and drinking drivers from 1980 through 1989. While Figures 12 and 13 showed sizable decreases in the number and rates of drinking drivers involved in crashes in the 1980s, these reductions pale by comparison to the magnitude of the *increase* in the number of crash-involved normal drivers. Since 1983, the number of crash-involved normal drivers has increased by 41% (from 264,795 to 373,655). Thus the decrease in crash-involved drinking drivers must be viewed against a backdrop of an increase in the number of crashes involving nondrinking drivers. When these two opposite trends are combined, they produce the dramatic decrease in the Problem Index also shown in Figure 14.

The real success of drinking-driving countermeasures during the 1980s is perhaps not so much demonstrated by the small, but significant, reductions in the number of crash-involved drinking drivers but, rather, in the fact that such crashes did not increase along with the number of crash-involved normal drivers.

Another indicator of the magnitude of the alcohol-crash problem is data on alcohol use among **automobile** driver fatalities. Figure 15 displays the number of nondrinking (i.e., zero BAC) driver fatalities and those with BACs in excess of the legal limit (i.e., 80 mg%) in Ontario from 1973 through 1989. Of interest, in almost every year prior to 1982, the number of fatally injured drivers with BACs over 80 mg% exceeded the number of nondrinking driver fatalities. Since then, the number of driver fatalities with illegal BACs has dropped 24% -- from 159 in 1982 to 121 in 1989. In contrast, over the same period of time, the number of nondrinking driver fatalities has increased 49% -- from 168 in 1982 to 251 in 1989.

The number of persons charged with impaired driving offences each year is another indicator of trends in drinking and driving. While these data will undoubtedly include some individuals who are charged with impaired driving on more than one occasion in a year, they do reflect the number of times a police officer arrests and charges a driver with an impaired driving offence. Figure 16 presents these data for Ontario from 1974 through 1989. Also included is the rate (i.e., the number of persons charged per 100,000 population). Until 1984, the annual number of persons charged in Ontario with impaired driving stayed fairly constant, ranging from 42,900 in 1976 to 46,700 in 1981. Since 1984, however, the number of persons charged has declined. In 1989, 37,969 persons were charged with an impaired driving offence in Ontario. It is of interest to note, however, that Ontario was the only province in Canada to record an increase in the number of persons charged from 1988 to 1989.

Interpreting changes in these data is not without problems. First, law enforcement statistics do not measure the frequency of impaired driving behaviour, a task for which roadside surveys are better suited. Second, enforcement practices may have a profound effect on the number of persons who are charged. For example, decreased enforcement would likely reduce the number of persons charged, without necessarily affecting the number of persons who drive after drinking. Decreased enforcement would, therefore, help explain

the reduction in charges witnessed over the past several years. But compared to previous years, the increased use of roadside checkstops in Ontario has actually increased enforcement levels. These high profile roadside checkstops -- often referred to as the RIDE program -- when combined with extensive media coverage, may actually serve to deter some individuals from driving after consuming alcohol. In any event, caution is urged in interpreting the meaning of charge statistics.

Figure 12
Number of Drinking Drivers Involved in Traffic Crashes, 1980-1989

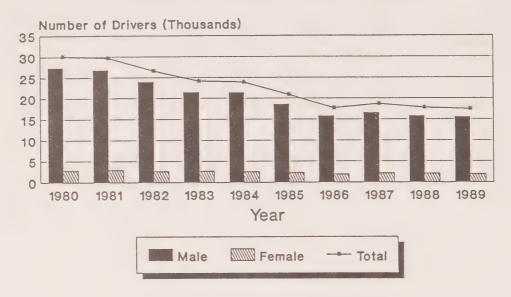


Figure 13
Trends in Rates of Crash-Involved
Drinking Drivers, 1980-1989

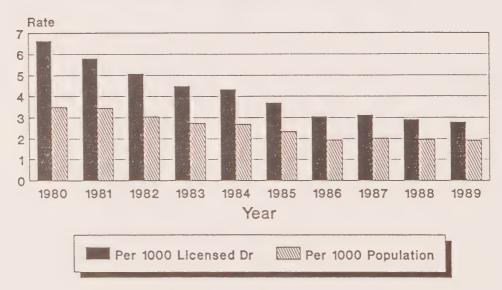


Figure 14
Drinking and Normal Drivers in Traffic Crashes, 1980-1989

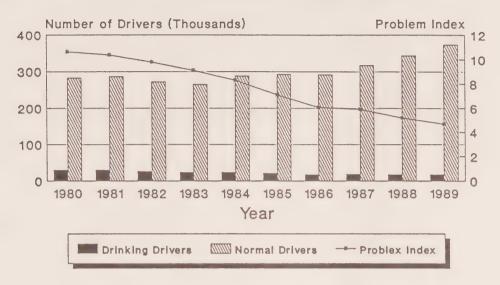
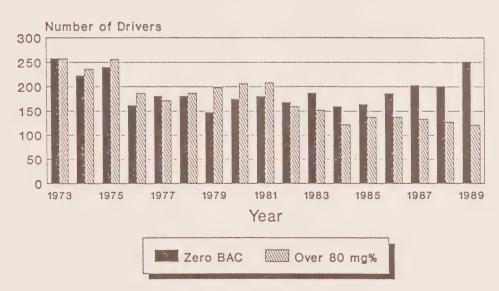
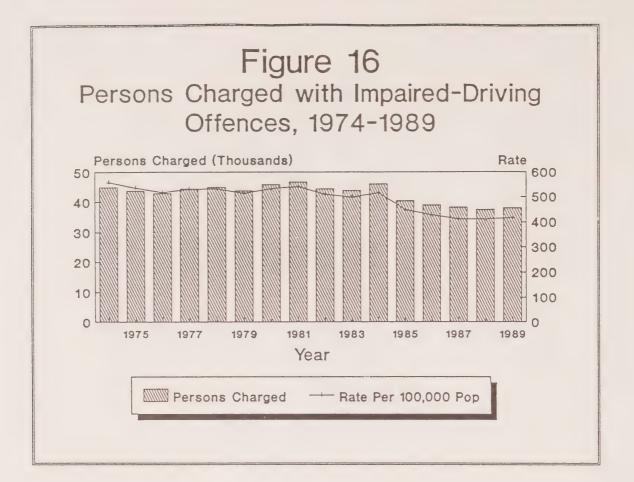


Figure 15
Alcohol Use Among Automobile Driver
Fatalities in Ontario





SOURCES OF MORE INFORMATION

Readers wishing more information on drinking and driving may either contact the Office of Drinking/Driving Countermeasures or refer to publications listed below.

CONTACT:

Office of Drinking/Driving Countermeasures
Ministry of the Attorney General
720 Bay Street, 3rd Floor
M5G 2K1
Tel: (416) 326-4408

REFERENCES

*** Ontario Road Safety Annual Report for 1988-89,

Ministry of Transportation.

Source: Transportation Regulation Development Branch

Safety Co-ordination and Development Office

West Building

1201 Wilson Avenue Downsview, Ontario

M3M 1J8

Tel: (416) 235-3585

*** Impaired Driving Statistics, 1989

Juristat Service Bulletin, Vol. 10, No. 17, October, 1990.

(Catalogue 85-002)

Source: Statistics Canada

This and other Statistics Canada publications may be purchased from local authorized and other community bookstores, through local Statistics Canada offices, or by mail order to Publication Sales and Services, Ottawa, K1A

016.

*** Alcohol Use By Persons Fatally Injured in Motor

Vehicle Accidents: 1988 and the Past Ten Years

(Leaflet TP2436)

Source: Road Safety and Motor Vehicle Regulation Directorate

Transport Canada Canada Building 344 Slater Street Ottawa. Ontario

K1A 0N5



APPENDIX A

DRINKING AND DRIVING IN ONTARIO 1988 - 1989 STATISTICS

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Table 1

DRIVERS INVOLVED IN TRAFFIC CRASHES ONTARIO, 1980 - 1989

Year	Prop	erty	Dama	age	Per	sona	l Injui	у		Fata	al			Tota	al	
&														e de la companya de La companya de la co) ·
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	9084	4978	14062	139166	8389	4303	12692	70433	272	321	593	940	17745	9602	27347	210539
1981	8951	4965	13916	140433	8193	4187	12380	70773	213	287	500	907	17357	9439	26796	212113
1982	7984	4319	12303	133222	7393	3786	11179	66244	182	267	449	763	15559	8372	23931	200229
1983	6811	3923	10734	125835	6653	3568	10221	65271	162	319	481	820	13626	7810	21436	191926
1984	6822	3931	10753	135973	6465	3641	10106	71168	190	264	454	851	13477	7836	21313	207992
1985	5302	3244	8546	127478	6041	3562	9603	81791	162	243	405	833	11505	7049	18554	210102
1986	4370	2816	7186	124164	4869	3364	8233	81920	135	254	389	842	9374	6434	15808	206926
1987	4562	2947	7509	132016	5005	3680	8685	90362	133	259	392	939	9700	6886	16586	223317
1988	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
1989	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Fema	le											3.				
1980	861	388	1249	46181	1084	367	1451	26057	30	24	54	228	1975	779	2754	72466
1981	929	462	1391	47595	1097	403	1500	26669	23	21	44	188	2049	886	2935	74452
1982	911	364	1275	46395	992	341	1333	25229	21	28	49	171	1924	733	2657	71795
1983	888	402	1290	46283	981	362	1343	26357	14	20	34	229	1883	784	2667	72869
1984	851	438	1289	51207	869	373	1242	28600	26	18	44	221	1746	829	2575	80028
1985	680	376	1056	48541	858	351	1209	34123	17	23	40	218	1555	750	2305	82882
1986	519	332	851	48940	688	345	1033	35899	8	23	31	229	1215	700	1915	85068
1987	542	338	880	53192	829	396	1225	40537	18	28	46	277	1389	762	2151	94006
1988	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880
1989	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409
Total																
1980	9945	5366	15311	185347	9473	4670	14143	96490	302	345	647	1168	19720	10381	30101	283005
1981	9880	5427	15307	188028	9290	4590	13880	97442	236	308	544	1095	19406	10325	29731	286565
1982	8895	4683	13578	179617	8385	4127	12512	91473	203	295	498	934	17483	9105	26588	272024
1983	7699	4325	12024	172118	7634	3930	11564	91628	176	339	515	1049	15509	8594	24103	264795
1984	7673	4369	12042	187180	7334	4014	11348	99768	216	282	498	1072	15223	8665	23888	288020
1985	5982	3620	9602	176019	6899	3913	10812	115914	179	266	445	1051	13060	7799	20859	292984
1986	4889	3148	8037	173104	5557	3709	9266	117819	143	277	420	1071	10589	7134	17723	291994
1987	5104	3285	8389	185208	5834	4076	9910	130899	151	287	438	1216	11089	7648	18737	317323
1988	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391
1989	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373 655

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NOR -- Drivers whose condition was reported by police as "normal"

TABLE 2A. AGE OF DRIVERS INVOLVED IN TRAFFIC CRASHES: ONTARIO, 1988

		NOR		1652	18305	48666	67726	44167	27397	19511	13087		240511			447	8159	19618	29066	22205	11400	6897	5088	102880			2099	26464	68284	96792	66372	38797	26408	18175	343391
		g/a		32	805	4561	5552	2608	1169	739	306		15772			7	116	201	169	392	161	8	21	2047			30	921	2062	6321	3000	1330	819	327	17819
Total		IMP		7	205	1528	2511	1274	559	351	122		6557			-	21	151	270	183	75	39	6	749			©	526	1679	2781	1457	634	390	131	7306
		HBD		25	009	3033	3041	1334	610	388	184	3	9215			9	95	350	499	209	98	41	12	1298			31	695	3383	3540	1543	969	429	196	10513
				17	7	142	251	159	1 (2 6	0 0	<u> </u>	905		2000000	20	8	45	73	36	24	25	18	248		88888888	8	93	187	324	195	134	101	97	1153
		D/D NOR				-	S	-																					•		_			_	
		Q/Q		0	24	130					* +	-	375			0	c	9	12	O			0	32			0	1 27	136	133	69 (5 27	9 14	6 11	407
Fatal		IMP		0	14	71	82	36	2 5	2 0	ט מ	٥	231			0	0	2	9	co	8	0	0	13			0	14	73	88	39	15	0,	•	244
		НВD		0	10	29	30	7	- 5	y 4	n u	n	144			0	က	4	9	9	0	0	0	19			0	13	63	45	20	12	S	S	163
		NOR		1305	6500	17344	22720	44740	0 0	2000	7000	4280	82678		200998	376	3065	7556	10730	8212	4171	2391	1743	38244		28508385	1681	9565	24900	33459	22960	13370	8958	6029	120922
ıry		D/D		16	390	2164	2660	6000	0171	989	323	120	7381			9	62	266	369	182	78	34	12	1009			22	452	2430	3038	1392	267	357	132	8390
Personal Injury		IMP		c	9 4:	734	400	077	282	264	159	47	3110			-	10	82	128	84	38	200	4	365			4	105	816	1354	999	302	177	51	3475
Persol		HBD		4	205	1430	000	244	979	225	164	73	4271			ĸ	52	184	241	98	40	9	0	644			18	347	1614	1684	726	265	180	81	4915
		NOR		220	11724	100 + 100	200	44/40	29260	18088	12868	8722	156928			99	5072	12017	18263	13057	7205	4481	3327	64388			396	16806	43197	63009	43217	25203	17349	12049	221316
nage		D/D		4	204	180	/077	79/7	1348	655	402	175	8016			-		220	288	20.0	2 4	9	ာ	1006			17	442	2496	3150	1549	726	248	184	9022
Property Damage		IMP		•	4 9	0 0	123	1203	929	282	183	69	3216			c	, ‡	67	136	2 9	ם מ	3 6	מי	371	5		4	107	790	1339	752	247	7-00	74	3587
Prope		HBD		,	7 200	CRZ	1544	1559	692	373	219	106	4800	300000000000000000000000000000000000000		-	- 6	246	201	404	601	, c	c 4	625	3		50	335	1706	1811	707	0 0 0	24.5	110	5435
No. of	licensed	Drivers		•	0 (116790	412791	847181	719104	500951	417975	366964	3381756			C	9	27160	333/02	000000	034737	261785	241967	0726356	27.0000		G	205062	748403	1588516		140000	890103	608931	6118112
Sex	જ	Age	oleM		0-15	16-18	19-24	25-34	35-44	45-54	55-64	65+	Total		Female	4	61-0	01-01	19-24	25-34	35-44	40-04	55-64	100	Olal	Total	7.15	2 4	91-91	19-24	*C-C7	30-44	45-54	55-64	Total

TABLE 2B. AGE OF DRIVERS INVOLVED IN TRAFFIC CRASHES: ONTARIO, 1989

			inings					148	#1 :	.4604	, engl.	1.1	<i>.</i>	gloti				i. i.e.	1100	a. 138		8174				4,,	100	4 1.				
		NOR		1598	18811	50228	74840	48622	30269	20862	14016	259246		520	8843	21367	32817	25086	12791	7390	5595	114409		2118	27654	71595	107657	73708	43060	28252	19611	373655
		a/a		25	742	4272	5670	2614	1249	702	282	15556		œ	113	439	731	393	170	52	26	1932		33	855	4711	6401	3007	1419	754	308	17488
Total		IMP		22	216	1561	2528	1321	614	383	121	6749		0	21	122	294	185	92	27	00	752		ın	237	1683	2822	1506	200	410	129	7501
		ДВН		20	526	2711	3142	1293	635	319	161	8807		8	92	317	437	208	75	25	18	1180		28	618	3028	3579	1501	710	344	179	2866
T-110.20		NOR		ω	89	144	276	182	109	84	93	964		_	21	45	76	29	25	20	22	269		6	89	189	352	241	134	104	115	1233
		a/a		-	20	112	107	20	12	12	00	322		0	ო	5	10	10	-	0	0	29		-	23	117	117	09	13	12	8	351
Fatal		IMP		-	4	47	49	28	œ	S	က	145		0	-	က	เก	9	0	0	0	15		-	70	20	54	34	80	3	ന	160
		НВР		0	16	65	58	22	4	7	5	177		0	2	2	เก	4	-	0	0	14		0	18	29	63	26	5	7	40	191
		NOR		1315	6332	16619	23567	15370	9671	6655	4303	83832		441	3100	7641	11494	8208	4419	2500	1719	40022		1756	9432	24260	35061	24078	14090	9155	6022	123854
lury		g/a		တ	352	1898	2597	1168	541	301	104	0269		4	64	217	363	179	80	20	ო	930		13	416	2115	2960	1347	621	321	107	7900
Personal Injury		IMP		7	107	751	1231	615	286	162	47	3201		0	13	62	145	79	42	12	7	355		8	120	813	1376	694	328	174	49	3556
Pers		HBD		7	245	1147	1366	553	255	139	22	3769		4	51	155	218	100	38	80	-	575		11	296	1302	1584	653	293	147	58	4344
		NOR		275	12411	33465	20897	33070	20489	14123	9620	174450	100010	78	5722	13681	21247	16319	8347	4870	3854	74118		353	18133	47146	72244	49389	28836	18993	13474	248568
Damage		a/a		15	370	2262	2966	1396	969	389	170	8264		4	46	217	358	204	89	32	23	973		19	416	2479	3324	1600	785	421	193	9237
erty Da		IMP		7	105	763	1248	829	320	216	71	3403		0	7	22	144	100	53	15	9	382		8	112	820	1392	778	373	231	11	3785
Property		НВД		13	265	1499	1718	718	376	173	66	4861		4	39	160	214	104	36	17	17	591		17	304	1659	1932	822	412	190	116	5452
No. of	Licensed	Drivers		0	120080	407811	874521	746040	516791	420372	382226	3467841		0	92905	333629	759666	663013	415200	300416	257600	2822429		D	212985	741440	1634187	1409053	931991	720788	639826	6290270
Sex	ૹ	Age	Male	0-15	16-18	19-24	25-34	35-44	45-54	55-64	65+	Total	Female	0-15	16-18	19-24	25-34	35-44	45-54	55-64	65+	Total	Total	0-15	16-18	19-24	25-34	35-44	45-54	55-64	65+	Total

TABLE 3A. DRIVERS IN TRAFFIC CRASHES: HOUR OF CRASH - ONTARIO, 1988

																								-							01	01		
		NOR		8049	3149	31464	34473	47295	63952	34732	16962	435	240511	200	40°	14587	15019	20846	29286	13830	6130	222	102880		9	2755	46051	49492	68141	93238	48562	23092	657	343391
		D/D		4518	1145	397	322	763	1979	3054	3507	87	15772	4	1 4 7	61	29	89	213	339	477	17	2047		1	1200	458	381	852	2192	3393	3984	98	17819
Total		IMP		1887	362	163	132	285	773	1302	1617	36	6557	0	£02	- 60	20	53	82	149	194	4	749			2089	1 4 5	152	314	855	1451	1811	40	7306
		НВD		2631	783	234	190	478	1206	1752	1890	51	9215	00	# 20 P	43	39	09	131	190	283	7	1298			30/0	277	229	538	1337	1942	2173	58	10513
		OR		59	33	113	124	140	205	156	75	0	905	000000000	3 C	30	39	38	53	43	29	0	248		1	73		163	178	258	199	104	0	1153
		/D NOR		107	29	14	Ξ	14	46	11	72	2	375		מ מ	2 64	0	N	(T)	×	100	0	32			37	32	= =	16	49	81	80	2	407
Fatal		IMP D		72	16	œ	4	7	24	20	48	2	231	(o •		0	0	0	qua.	4	0	13		i	1 8	_ 0	D 4	7	24	51	52	2	244
		HBD I		35	13	9	7	7	22	27	24	က	144	•	n (N 6	0	И	ന	ო	4	O	19			80 L	<u>0</u>	0 1	o	25	30	28	က	163
		NOR		2913	1048	9954	10936	15872	22330	13050	6435	140	82678		700	5234	5218	7604	11080	5391	2461	75	38244			3877	1200	16154	23476	33410	18441	9688	215	120922
Ju		D/D		2137	571	180	134	371	852	1413	1684	39	7381		233	34	32	42	66	177	243	4	1009			2436	000	166	413	951	1590	1927	43	8390
Personal Injury		IMP		882	177	72	49	139	355	644	777	15	3110	(χ ι χ ο	07	, =	15	37	78	102	0	365			970	202	8 09	154	392	722	879	15	3475
Perso		НВО		1255	394	108	85	232	497	769	907	24	4271		112	9 c	21	27	62	66	141	4	644			1466	448	133	259	559	868	1048	28	4915
		NOR		5077	2068	21397	23413	31283	41417	21526	10452	295	156928		13/6	387	9762	13204	18153	8396	3640	147	64388		888888888	6453	2455	30720	44487	59570	29922	14092	442	221316
mage		D/D		2274	545	203	1771	378	1081	1564	1751	43	8016		333	78	27	45	111	158	226	7	1006			2607	620	227	423	1192	1722	1977	20	9022
Property Damage		IMP		933	169	83	79	139	394	809	792	19	3216		801	C 8	0	14	45	20	88	4	371			1041	194	50 0	153	439	678	880	23	3587
Prop		HBD		1341	376	120	86	239	687	926	959	24	4800		522	2 4	18	31	99	88	138	က	635			1566	426	136	270	753	1044	1097	27	5435
Hour	jo	Crash	Male	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	Зрт-брт	md6-md9	9pm-12am	Unknown	Total	Female	12am-3am	Sam-bam	9am-12pm	12pm-3pm	3pm-6pm	md6-md9	9pm-12am	Unknown	Total		Total	12am-3am	3am-6am	6am-9am	120m-30m	3pm-6pm	6pm-9pm	9pm-12am	Unknown	Total

TABLE 3B. DRIVERS IN TRAFFIC CRASHES: HOUR OF CRASH - ONTARIO, 1989

																																# #			
		NOR		07.10	25.45	35853	38724	49911	677770	35663	18724	478	259246		2481	745	17190	17234	22545	32178	14619	7205	212	114409		11059	4290	53043	55958	72456	99948	50282	25929	069	373655
		D/D		4400	1043	392	369	743	1999	3010	3526	72	15556		641	150	20	44	74	224	292	444	13	1932		5043	1193	442	413	817	2223	3302	3970	85	17488
Total		IMP		0.00	288	158	165	328	838	1368	1643	21	6749		218	39	18	21	32	89	119	212	4	752		2058	427	176	186	360	927	1487	1855	25	7501
		HBD		2562	655	234	204	415	1161	1642	1883	51	8807		423	111	32	23	42	135	173	232	6	1180		2985	992	266	227	457	1296	1815	2115	09	9987
		NOR		A.A.	28	120	117	173	213	171	96	0	964	eg eg	F	4	40	37	46	09	51	20	0	269		57	32	160	154	219	273	222	116	0	1233
		1 Q/Q		00	30	10	00	15	36	58	72	-	322		00	က	-	0	0	4	4	6	0	29		100	33	Ξ	00	15	40	62	81	-	351
Fatal		IMP I		44	16	4	4	9	17	27	27	0	145		4	es	-	0	0	8	က	2	0	15		48	19	10	4	9	19	30	53	- 1	160
		HBD		48	4	9	4	6	19	31	45	-	177		4	0	0	0	0	64	-	7	0	14		52	14	9	4	6	21	32	52		191
		NOR		2000	1047	10857	11594	15731	22469	12553	6511	126	83832		940	237	5651	2696	7862	11423	2200	2648	65	40022		3884	1284	16508	17290	23593	33892	18053	9159	191	123854
jury		a/a		1018	470	195	169	321	896	1382	1595	24	0269		311	79	29	23	37	112	130	206	3	930		2229	549	224	192	358	1008	1512	1801	27	7900
Personal Injury		IMP		822	182	88	81	144	397	674	806	7	3201		97	18	Ξ	11	17	47	52	98	-	355		919	200	66	92	161	444	729	904	8	3556
Pers		НВД		1096	288	107	88	177	499	708	789	17	3769		214	61	18	12	20	65	75	108	2	575		1310	349	125	100	197	564	783	897	19	4344
		NOR		5588	2470	24876	27013	34007	45088	22939	12117	352	174450		1530	204	11499	11501	14637	20695	8906	4537	147	74118		7118	2974	36375	38514	48644	65783	32007	16654	499	248568
amage		D/D		2392	543	187	192	407	1067	1570	1859	47	8264		322	89	20	21	37	108	158	229	10	973		2714	611	207	213	444	1175	1728	2088	57	9237
Property Damage		IMP		974	190	99	80	178	424	299	810	14	3403		117	18	9	10	15	40	61	112	3	382		1001	208	72	06	193	464	728	922	17	3785
Prop		HBD		1418	353	121	112	229	643	903	1049	33	4861		205	20	14	=	22	89	97	117	7	591		1623	403	135	123	251	711	1000	1166	40	5452
Hour	of	Crash	Male	12am-3am	Зат-бат	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	шде-шд9	9pm-12am	Unknown	Total	Female	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	шд6-шд9	9pm-12am	Unknown	Total	Total	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	md6-md9	9pm-12am	Unknown	Total

TABLE 4A. DRIVERS IN TRAFFIC CRASHES: DAY OF WEEK - ONTARIO, 1988

			1 7	10				9	9	8		1	8	6	4		<u> </u>	2 2		. 🤆	2		2 :		2 3	7	2	8	45	91
000000000000000000000000000000000000000		NOR		33025	34258	33431	35877	45736	35226	22958	240511		14228	15159	15284	15844	10286	14302	8587	40000	10200		47233	לה ליה ליה ליה ליה ליה ליה ליה ליה ליה ליה ליה ליה ליה	61/04	17/16	65122	49618	31545	343391
		D/D		1092	1156	1342	1660	3042	4300	3180	15772		149	177	174	205	0 4 6	330	350	200	7407		1241	1333	1516	1865	3400	4826	3638	17819
Total		IMP		460	520	554	761	1248	1781	1233	6557		10	75	9 0	2 6	0 0	127	143	740	/49		515	595	622	828	1375	1966	1375	7306
		HBD		632	636	788	899	1794	2519	1947	9215		8	102	9 4	8 9	00 1	52	341	010	1298		726	738	894	1007	2025	2860	2263	10513
		L HC		 121	1 1 5	90	73	177	149	113	905		20	2 6	,	4 6	RZ	44	41	3/	248		150	139	140	163	221	190	150	1153
		D/D NOR		32	2 0	3 6	62	67	119	63	375		c	າ ເ	2 0	r) (1	N	4	9	-	32		35	28	28	46	7.1	129	70	407
Fatal		IMP D	- 188	10	2 4	† C	7 -	42	0 9	41	1		c	o 6	າ ່	-	-	7	7	4	13		19	17	20	28	44	71	45	244
		HAD		5	2 7	- (וְ ס	71	2 02	200	144			n (0	N	-	2	00	က	19		16	Ξ	00	18	27	58	25	163
965555		I acia		44464	1 0	11333	11357	12090	15323	8604	97900	07070	(5438	5549	5578	5710	7176	5375	3418	38244		16902	16882	16935	17806	22499	17786	12112	120922
2			2/2	0	503	295	615	789	1389	1500	1323	1001		26	83	79	92	183	252	238	1009		579	651	694	881	1572	2252	1761	8390
Personal Injury			IMF	0	220	259	257	374	587	8 18	400	3110		30	32	31	43	29	86	64	365		250	291	288	417	654	917	658	3475
Persor			HBU		283	303	358	415	805	1811		4271		46	22	48	49	116	154	174	644		329	360	406	AEA	018	1225	1103	4915
8888			NOH	200000	21440	22810	21978	23647	30236	22666	14151	156928	383888	8761	9286	9662	10105	12166	8976	5132	64388	800000	30201	32396	21640	22752	2010E	24642	10000	221316
nane	Ilayo		a/a		222	269	702	827	1586	2181		8016		70	85	92	111	171	264	213	1006		627	654	704	000	0 100	1671	2443	9022
Property Damade	ity Dai		IMP		221	247	278	360	619	893		3216		25	40	36	53	88	82	74	371		246	287	24.6	1 0	413	1/9	978	3587
Drong	rrope		HBD		336	322	424	467	296	1288	966	4800		45	45	26	80	113	179	139	635		201	267	200	460	525	1080	1467	1135
		jo	Week	Male	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	Female	Monday	Tuesday	Wadnesday	Thursday	Friday	Caturday	Crinday	Total	Total		Monday	luesday	Wednesday	Thursday	Friday	Saturday	Sunday

TABLE 4B. DRIVERS IN TRAFFIC CRASHES: DAY OF WEEK - ONTARIO, 1989

		NOR			33860	38255	37123	41824	48912	35905	23367	259246		15395	17522	17171	19676	21245	14424	8976	114409		49255	55777	54294	61500	70157	50329	32343	373655
		D/D			1142	1240	1299	1683	2955	4143	3094	15556		147	160	172	201	309	487	456	1932		1289	1400	1471	1884	3264	4630	3550	17488
Total		IMP			496	572	583	755	1294	1764	1285	6749		71	70	72	94	132	172	141	752		292	642	655	849	1426	1936	1426	7501
		HBD			646	899	716	928	1661	2379	1809	8807		2/2	06	100	107	177	315	315	1180		722	758	816	1035	1838	2694	2124	9987
5555555		NOR			144	102	129	106	209	167	107	964		40	28	35	33	20	43	40	269		184	130	164	139	259	210	147	1233
		D/D N			Ξ	27	24	31	61	94	74	322		Ø	8	9	က	ın	00	က	29		13	53	30	34	99	102	77	351
Fatal		IMP			4	10	12	13	30	43	33	145		-	-	N	8	EVI	Ā	-	15		10	11	16	15	32	47	34	160
		HBD			7	17	12	18	31	51	41	177			_	2	-	ო	4	2	14		∞	20	14	19	34	55	43	191
-		NOR	Ī	00000000	11080	12050	11830	12949	15478	12125	8320	83832		5395	6176	6025	6199	7273	5148	3386	40022	500000	16475	18226	17855	19568	22751	17273	11706	123854
jury		D/D			511	565	260	736	1311	1841	1446	0269		19	73	75	96	131	246	248	930		572	638	635	832	1442	2087	1694	2006
Personal Injury		IMP			231	273	264	360	593	833	647	3201		31	29	31	43	9	83	78	355		262	302	295	403	653	916	725	3556
Pers		НВО			280	292	296	376	718	1008	199	3769		30	44	44	53	71	163	170	575	*****	310	336	340	429	789	1171	696	4344
3000000		NOR		0000000	22636	26103	25164	28769	33225	23613	14940	174450		0966	11318	11111	13024	13922	9233	5550	74118	60000	32596	37421	36275	41793	47147	32846	20490	248568
amage		D/D			620	648	715	916	1583	2208	1574	8264		84	82	16	102	173	233	202	973		704	733	806	1018	1756	2441	1779	9237
Property Damage		IMP			261	289	307	382	671	888	605	3403		39	40	37	49	20	82	62	382		300	329	344	431	741	973	299	3785
Prop		HBD			359	329	408	534	912	1320	696	4861		45	45	54	53	103	148	143	591		404	404	462	587	1015	1468	1112	5452
Day	ð	Week		Male	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	Female	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	פוסו	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total

TABLE 5A. DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1988

							1.7	-	-						
HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD 1	IMP D	D/D N(NOR	НВО	IMP	D/D	NOR
379	228	607	13672	279	203	482	6164	22	7	12	79	663	438	1101	19915
411	245	656	15504	236	183	419	6590	2	0	=	65	649	437	1086	22159
391	282	673	10990	321	241	562	5140	22	12	17	69	717	535	1252	16199
336	238	574	9985	346	251	265	2635	6	12	21	45	691	501	1192	15622
378	275	653	11173	411	285	969	6935	16	23	39	63	805	583	1388	18171
387	264	651	11866	370	289	629	7675	12	30	42	22	169	583	1352	19598
382	283	665	11766	481	284	765	7804	22	36	28	94	882	603	1488	19664
406	250	656	12570	390	286	929	8126	18	30	48	109	814	266	1380	20805
422	311	733	12494	427	277	704	7218	14	28	42	80	863	616	1479	19792
460	288	748	14853	378	312	069	7622	15	15	30	86	853	615	1468	22561
396	276	672	13837	327	268	595	6450	16	10	56	82	739	254	1293	20369
452	276	728	18218	305	231	536	7362	10	19	59	92	767	526	1293	25656
	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	24051
57	26	83	5713	37	27	64	3017	0	-	-	16	94	24	148	8746
40	20	09	6362	31	13	44	3111	0	7	7	24	71	35	106	9497
48	33	81	4523	44	31	75	2431	0	-	-	13	92	65	157	2969
54	34	88	4173	28	38	96	2574	0	-	-	15	112	73	185	6762
47	33	80	4585	61	34	95	3190	-	2	ო	19	109	69	178	7794
42	25	29	4912	57	34	91	3480	4	0	4	15	103		162	8407
09	31	91	4516	63	42	105	3272	-	7	ო	30	124		199	7818
51	31	82	4905	61	29	06	3471	2	***	ო	31	114		175	8407
99	31	97	5035	57	42	66	3211	9	0	9	27	129	73	202	8273
62	35	97	6200	26	33	89	3554	-	-	2	21	119	69	188	9775
51	38	89	5865	09	20	80	3257	က	0	က	13	114		172	9135
57	34	91	7599	59	22	81	3676	-	2	3	24	117	58	175	11299
5 6		000	04000	644	265	1000	38244	10	13	32	248	1298	749	2047	102880

... continued

TABLE 5A (continued). DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1988

Fatal Total		HBD IMP D/D NOR HBD IMP D/D NOR			5 8 13 95 757 492 1249 28661	2 11 13 89 720 472 1192 31656	5 13 18 82 809 600 1409 23166	9 13 22 60 803 574 1377 22384	652 1566	16 30 46 72 872 642 1514 28005	23 38 61 124 1009 678 1687 27482	20 31 51 140 928 627 1555 29212	20 28 48 107 992 689 1681 28065	16 16 32 107 972 684 1656 32336	19 10 29 95 853 612 1465 29504	11 21 32 100 884 584 1468 36955	
53555		NOR H			9181	9701	7571	8166	10125	11155	11076	11597	10429	11176	9707	11038	
Personal Injury		IMP D/D			230 546	196 463	272 637	289 693	319 791	323 750	326 870	315 766	319 803	345 779	288 675	253 617	
Person		НВО			316	267	365	404	472	427	544	451	484	434	387	364	
		NOR			19385	21866	15513	14158	15758	16778	16282	17475	17529	21053	19702	25817	
Property Damage		D/D			069	716	754	662	733	718	756	738	830	845	761	819	
perty D		IMP			254	265	315	272	308	289	314	281	342	323	314	310	
Pro		HBD		000000	436	451	439	390	425	429	442	457	488	522	447	509	
Month	ō	Year	Total	ושוח	January	February	March	April	May	June	July	August	September	October	November	December	

TABLE 5B. DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1989

		NOR		20765	19209	20629	16519	20614	21523	19690	20360	21208	22172	24931	31626	259246			9130	8289	9173	7208	9568	9229	8227	8623	9402	2686	11786	13811	114409
		D/D		1100	1164	1290	1232	1320	1380	1362	1292	1436	1365	1272	1343	15556			127	145	144	142	165	174	162	193	182	177	140	181	1932
lotal		IMP		479	494	583	548	535	299	257	565	639	009	584	566	6749			43	21	51	99	70	79	61	29	78	73	49	64	752
		HBD		621	670	707	684	785	781	805	727	797	765	688	777	8807			84	94	93	92	95	95	101	126	104	104	91	117	1180
20000		NOR		52	63	62	65	7.1	83	118	106	70	92	8	101	964		10000000	12	19	18	8	22	28	19	33	28	16	23	33	269
		D/D N		15	15	21	33	23	32	38	40	37	24	31	13	322			ന	ო	0	-	0	4	8	က	4	-	8	9	29
Fatal		IMP D		7	7	7	16	00	19	17	14	14	15	15	9	145			ന	0	0	qua	0	ന	0	-	4	-	0	2	15
		HBD I		80	00	14	17	12	13	21	56	23	6	16	7	177			0	က	0	0	0	-	2	2	0	0	2	4	14
82888		NOR	888888	5876	5763	6065	5485	7198	7815	7411	7535	7541	7309	7325	8209	83832			2882	2755	2968	2555	3533	3557	3290	3456	3572	3516	3820	4108	40022
ıry		D/D		477	490	512	545	622	627	704	623	206	634	206	524	0269			52	75	72	64	83	88	83	26	80	0 00	62	76	930
Personal Injury		IMP		213	228	254	250	257	280	292	285	331	290	253	259	3201			21	25	29	28	30	36	280	34	34	80	16	33	355
Perso		HBD		264	262	258	200	265	347	412	338	375	344	253	265	3769			31	20	43	36	53	49		3 6	ט ע	3 6	46	43	575
2000		NOR	200000	14837	12283	4 4 500	7000	10202	12625	12161	12719	13597	14771	17525	23016	174450			6292	5815	6187	4635	5713	2644	0 0 0	5134	2001	2006	7942	0670	74118
Damage	D.	0/0		808	650	1 000	101	400	721	620	629	693	707	735	806	8264	000000000000000000000000000000000000000		72	67	22	1 1	. 68	9 a	7 1	5 6	2 0	0 0	76	2 8	93
erty Dai	6	IMP		250	250	600	322	273	200	200	266	200	205	216	301	3403			0	90	3 6	3.4	5 8	2 4	300	? ?	35	040	† c	2 0	282
Property	20.	HBD		240	000	904	435	381	405	973	216	200	412	440	413	4861			7,2	3 5		3 5	2 5	7 4	Ω ;	4 7	0	94 0	200	4 1	201
Month		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Male		January	February	March	April	May .	oune (1)	S C C C C C C C C C C C C C C C C C C C	August	October	Cetobel	November	TOTAI	!!	Female	7400	Januar y	rebruary	March		may	gung	July	August	September	October	November	December

... continued

TABLE 5B (continued). DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1989

Month	Prop	Property Damage	amage	0000000	Pers	Personal Injury	nny			Fatal				Total		
oţ																
Year	HBD	IMP	D/D	NOR	НВО	IMP	D/D	NOR	HBD	IMP D/D	1 Q/C	NOR	НВО	IMP	g/g	NOR
Total	000000											00000				
January	402	278	680	21129	295	234	529	8268	00	10	18	64	705	522	1227	29961
February	441	285	726	19198	312	253	599	8218	=	7	18	82	764	545	1309	27798
March	485	344	829	20689	301	283	584	9033	14	7	21	80	800	634	1434	29802
April	421	310	731	15604	322	287	609	8040	17	17	34	83	260	614	1374	23727
May	447	310	757	19058	418	287	705	10731	15	00	23	93	880	605	1485	29882
June	466	337	803	19269	396	319	715	11372	14	22	36	111	876	678	1554	30752
July	416	281	269	17079	467	320	787	10701	23	17	40	137	906	618	1524	27917
August	424	298	722	17853	401	319	720	10991	28	15	43	139	853	632	1485	28983
September	448	334	782	19399	430	365	795	11113	23	18	41	98	901	717	1618	30610
October	465	329	794	21136	395	328	723	10825	6	16	25	108	869	673	1542	32069
November	462	349	811	25468	299	269	268	11145	18	15	33	104	779	633	1412	36717
December	575	330	905	32686	308	292	009	12617	=	80	19	134	894	630	1524	45437
TOTAL	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	2866	7501	17488	373655
			-	NAME AND ADDRESS OF TAXABLE PARTY.				The state of the s		The Party of the P		-				

Table 6

Drinking Drivers In Traffic Crashes:

Annual Number, Rate Per 1,000 Population, and Rate Per 1,000 Licensed Drivers

Ontario, 1980 - 1989

	·				
	Number of	Population	Drinking Driver Crashes	Number of	Drinking Driver Crashes
	Crash-Involved	of	Per 1,000	Licensed	Per 1,000
Year	Drinking Drivers	Ontario*	Population	Drivers	Licensed Drivers
1980	33,101	8,569,700	3.50	4,993,531	6.63
1981	29,730	8,625,110	3.45	5,123,177	5.80
1982	26,588	8,706,960	3.05	5,247,198	5.07
1983	24,102	8,789,590	2.74	5,380,259	4.48
1984	23,888	8,873,010	2.69	5,513,911	4.33
1985	20,859	8,957,210	2.33	5,660,422	3.69
1986	17,723	9,113,000	1.94	5,817,799	3.05
1987	18,737	9,270,700	2.02	5,978,105	3.13
1988	17,819	9,096,294	1.96	6,118,112	2.91
1989	17,488	9,096,294	1.92	6,290,270	2.78

^{*}Figure for 1980 - Intercensal Estimate, Statistics Canada, Catalogue 91-521.

Figure for 1981 - Census of Canada.

Figures for 1982-85 are estimated assuming a constant rate of increase from 1981-1986.

Figures for 1986 and 1988 - Postcensal estimates (by regression method), Statistics Canada, Catalogue 91-211, November 1988.

Figure for 1989 - Duplication of the 1988 postcensal estimate.

Table 7A

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATIONS

ONTARIO, 1988

AGE	No. of	% of	Crash-	% of	Crash-	% of		Crash-	% of	Crash-	% of	
&	Drivers	Licensed	Involved	Drivers	Involved	Drivers		Involved	Drivers	Involved	Drivers	
SEX	Licensed	Drivers	HBD	HBD	IMP	IMP		D/D	D/D	NOR	NOR	
	Licensed	Dilvelo	1100	1100		11711		5,5	0/0	11011	11011	
Male												
I VICEO												
16-18	116790	3.5%	600	6.5%	205	3.1%		805	5.1%	18305	7.7%	
19-24	412791	12.2%	3033	33.0%	1528	23.3%		4561	29.0%	48666	20.4%	
25-34	847181	25.1%	3041	33.1%	2511	38.3%		5552	35.3%	67726	28.4%	
35-44	719104	21.3%	1334	14.5%	1274	19.5%		2608	16.6%	44167	18.5%	
45-54	500951	14.8%	610	6.6%	559	8.5%		1169	7.4%	27397	11.5%	
55-64	417975	688	388	4.2%	351	5.4%		739	4.7%	19511	8.2%	100
65+	366964	10.9%	184	2.0%	122	1.9%		306	1.9%	13087	5.5%	100
Total	3381756	100%	9190	100%	6550	100%		15740	100%	238859	100%	
Total	0001730	100%			0000							
											describeration of the second	1
Female												
Ciriale												
16.10	89172	3.3%	95	7.4%	21	2.8%		116	5.7%	8159	8.0%	
16-18 19-24	335702	100	350	27.1%	151	20.2%	10000	501		19618	19.2%	1.50
25-34	741335	100	499	38.6%	270	36.1%	3333	769		29066	28.4%	E 1.
35-44	634737	183	209	16.2%	183	24.5%	10000	392		22205	21.7%	133
45-54	397152	198	86	6.7%	75	10.0%	12333	161		11400	11.1%	100
55-64	296291	10.8%	41	3.2%	39	5.2%	10000	80		6897	6.7%	1.0
65+	241967	888	12	0.9%	9	1.2%	30000	21	1.0%	5088	5.0%	188
001	241801	0.023										
Total	2736356	100%	1292	100%	748	100%		2040	100%	102433	100%	1
												J
						- Addition to the control	Ī					1
Both												100
16-18	205962	3.4%	695	6.6%	226	3.1%		921	5.2%	26464	7.8%	1
19-24	748493	88	3383	32.3%	1679	23.0%	3333	5062		68284	20.0%	183
25-34	1588516	88	3540	33.8%	2781	38.1%	10000	6321		96792	28.4%	
35-44	1353841	22.1%	1543	14.7%	1457	20.0%		3000	16.9%	66372	19.4%	
45-54	898103	188	696	6.6%	634	8.7%		1330	7.5%	38797	11.4%	
55-64	714266	188	429	4.1%	390	5.3%		819	4.6%	26408	7.7%	
65+	608931	10.0%	196	1.9%	131	1.8%		327	1.8%	18175	5.3%	,
			*									
Total	6118112	100%	10482	100%	7298	100%		17780	100%	341292	100%	
												7

Table 7B

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATIONS

ONTARIO, 1989

AGE	No. of	% of	Crash-	% of	Crash-	% of		Crash-	% of	Crash-	% of
&	Drivers	Licensed	Involved	Drivers	Involved	Drivers		Involved	Drivers	Involved	Drivers
SEX	Licensed	Drivers	HBD	HBD	IMP	IMP		D/D	D/D	NOR	NOR
	2.001.000										
Male											
Micae											
16-18	120080	3.5%	526	6.0%	216	3.2%		742	4.8%	18811	7.3%
19-24	407811	11.8%	2711		1561	23.1%		4272	27.5%	50228	19.5%
25-34	874521	25.2%	3142		2528	37.5%		5670	36.5%	74840	29.0%
35-44	746040	21.5%	1293		1321	19.6%		2614	16.8%	48622	18.9%
45-54	516791	14.9%	635		614	9.1%		1249	8.0%	30269	11.7%
55-64	420372	12.1%	319		383	5.7%		702	4.5%	20862	8.1%
65+	382226	11.0%	161		121	1.8%		282	1.8%	14016	5.4%
							4				
Total	3467841	100%	8787	100%	6744	100%		15531	100%	257648	100%
Female											
16-18	92905	3.3%	92	7.8%	21	2.8%		113	5.9%	8843	7.8%
19-24	333629	11.8%	317	27.0%	122	16.2%		439	22.8%	21367	18.8%
25-34	759666	26.9%	437	37.3%	294	39.1%		731	38.0%	32817	28.8%
35-44	663013	23.5%	208	17.7%	185	24.6%		393	20.4%	25086	22.0%
45-54	415200	14.7%	75	6.4%	95	12.6%		170	8.8%	12791	11.2%
55-64	300416	10.6%	25	2.1%	27	3.6%		52	2.7%	7390	6.5%
65+	257600	9.1%	18	1.5%	8	1.1%		26	1.4%	5595	4.9%
Total	2822429	100%	1172	100%	752	100%		1924	100%	113889	100%
Both											
16-18	212985	3.4%	618	6.2%	237	3.2%		855	4.9%	27654	7.4%
19-24	741440	11.8%	3028	30.4%	1683	22.5%		4711	27.0%	71595	19.3%
25-34	1634187	26.0%	3579	35.9%	2822	37.6%		6401	36.7%	107657	29.0%
35-44	1409053	22.4%	1501	15.1%	1506	20.1%		3007	17.2%	73708	19.8%
45-54	931991	14.8%	710	7.1%	709	9.5%		1419	8.1%	43060	11.6%
55-64	720788	11.5%	344	3.5%	410	5.5%		754	4.3%	28252	7.6%
65+	639826	10.2%	179	1.8%	129	1.7%		308	1.8%	19611	5.3%
							•				
Total	6290270	100%	9959	100%	7496	100%		17455	100%	371537	100%

TABLE 8A

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1988

						5				7/1
Category	Number of	Tested	Had Been	Over		Driver	s Group	pea By I	BAC (mg	%)
of Drivers	Drivers	for BAC	Drinking	80 mg%		Zero	1-49	50-80	81-150	>150
Age	Dilloid	101 27 10	Othining	mg /o		2010	1 10	00 00	01 100	
, age										
16 - 19	70	65	30	19		35	4	7	7	12
20 - 25	133	122	76	52		46	17	7	10	42
25 - 35	132	126	71	61		55	6	4	11	50
36 - 45	75	72	29	20		43	7	2	3	17
46 - 55	44	42	15	11		27	3	1	2	9
> 55	99	93	19	12		74	5	2	4	8
m										
Sex										
Male	457	433	221	162		212	36	23	35	127
Female	96	87	19	13	B	68	6	0	2	11
Type of Vehicle										
Type of Vernois										
Automobile	398	371	169	127		202	30	12	28	99
Motorcycle / Moped	64	61	34	21		27	8	5	5	16
Truck / Van	85	82	37	27		45	4	6	4	23
Tractor-Trailer	6	6	0	0		6	0	0	0	0
Type of Collision										
Single Vehicle	222	211	139	112		72	14	13	22	90
Single-Vehicle Multiple-Vehicle	330	308	101	63		207	28	10	15	48
Unknown	1	1	0	0	88888	1	0	0	0	0
Onkilowii										
Total	553	520	240	175	1	280	42	23	37	138

^{*} Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

TABLE 8B

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1989

Category	Number	1000	Had	Over	Drivers	s Group	oed By I	BAC (mg	%)
of	of	Tested	Been	80	-7	4.40	50.00	04.450	. 450
Drivers	Drivers	for BAC	Drinking	mg%	Zero	1-49	50-80	81-150	> 150
Age									
16 - 19	68	60	20	12	40	5	3	5	7
20 - 25	146	137	75	58	62	11	6	19	39
26 - 35	165	154	78	68	76	7	3	15	53
36 - 45	94	88	40	33	48	6	1	4	29
46 - 55	52	45	13	11	32	2	0	2	9
> 55	115	100	14	9	86	3	2	2	7
			:						
Sex									
Male	503	462	216	176	246	26	14	44	132
Female	137	122	24	15	98	8	1	3	12
Type of Vehicle									
Automobile	449	407	156	121	251	25	10	30	91
Motorcycle / Moped	72	65	31	26	34	3	2	11	15
Truck / Van	107	100	51	43	49	5	3	6	37
Tractor-Trailer	12	12	2	1	10	1	0	0	1
Type of Collision									
Single-Vehicle	251	228	142	118	86	14	10	24	94
Multiple-Vehicle	382	353	97	72	256	20	5	22	50
Unknown	7	3	1	1	2	0	0	1	0
Total	640	584	240	191	344	34	15	47	144

^{*} Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

TABLE 9

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1973 - 1989

Year	Numbe of		sted for BAC			Been ing***	0v 80 n			Grouped C (mg%	.,,
	Drivers*	* #	%		#	%	#	%	Zero	1-80	> 80
1973	747	689	92.2%		370	53.7%	307	44.6%	319	63	307
1974	723	649			365	56.2%	280	43.1%	284	85	280
1975	776	72	92.9%		423	58.7%	316	43.8%	298	107	316
1976	612	539	88.1%		318	59.0%	251	46.6%	221	67	251
1977	603	534	88.6%		302	56.6%	243	45.5%	232	59	243
1978	587	55	7 94.9%		310	55.7%	256	46.0%	247	54	256
1979	580	52	7 90.9%		316	60.0%	255	48.4%	211	61	255
1980	641	590	92.0%		338	57.3%	282	47.8%	252	56	282
1981	666	62	7 94.1%		377	60.1%	311	49.6%	250	66	311
1982	554	518	93.5%		290	56.0%	241	46.5%	228	49	241
1983	595	548	92.1%		294	53.6%	244	44.5%	254	50	244
1984	526	48	92.8%		264	54.1%	218	44.7%	224	46	218
1985	536	499	93.1%		259	51.9%	199	39.9%	240	60	199
1986	528	49	7 94.1%		257	51.7%	215	43.3%	240	42	215
1987	610	539	88.4%		254	47.1%	214	39.7%	285	40	214
1988	553	520	94.0%		240	46.2%	175	33.7%	280	65	175
1989	640	584	91.3%		240	41.1%	191	32.7%	344	49	191
*											
Average	616	56	91.9%	7	307	54.2%	247	43.6%	259	60	247

- * Source: Fatality Database, Traffic Injury Research Foundation of Canada.

 (Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)
- ** Drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles excluded), 16 years of age or older, dying within 6 hours of crash involvement.
- *** In this table, "had been drinking" means any amount of alcohol detected in blood samples, INCLUDING blood alcohol concentrations over 80 mg%.

Table 10A

Normal and Drinking Drivers Involved in Crashes During 1988:
Rates for Ontario's Counties and Regional Municipalities

Algoma 117339 4006 41.8 8 326 2.8 8 Brant 102085 3287 32.2 30 250 2.4 16 Brant 102085 3287 32.2 30 250 2.4 16 Bruce 57119 1286 22.5 45 129 2.3 24 Cochrane 84846 2903 34.2 24 182 2.1 31 DUfferin 34452 1452 42.1 7 103 3.0 7 Durham 347837 12158 35.0 21 859 2.5 13 Elgin 69174 1743 25.2 42 137 2.0 36 Essax 314952 10311 32.7 26 756 2.4 19 Frontenac 119332 4103 34.4 22 216 1.8 40 Grey 75157 2038 27.1 40 168 2.2 26 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haldimand-Norfolk 89225 3381 26.7 41 232 2.6 11 Haldimand-Norfolk 89225 3381 26.7 41 232 2.6 11 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haldimand-Norfolk 89268 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55599 1202 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 12 12 12 12 12 12 12 12 12 12 12 12 12		POPULATION	NORMA	L DRIV	ERS	DRINKIN			% Driver
Brant 102085 3287 32.2 30 250 2.4 16 Bruce 57119 1286 22.5 45 129 2.3 24 Cochrane 84846 2903 34.2 24 182 2.1 31 Dufferin 34452 1452 42.1 7 103 3.0 7 Durham 347837 12158 35.0 21 859 2.5 13 Elgin 69174 1743 25.2 42 137 2.0 36 Esaex 314952 10311 32.7 26 756 2.4 19 Frontenac 119332 4103 34.4 22 216 1.8 40 Grey 75157 2038 27.1 40 188 2.2 26 Haldimand-Norlolk 89225 2381 26.7 41 232 2.6 11 Haliburton 11945 547 45.8 2 76 6.4 2 Haldimand-Norlolk 9225 2381 26.7 41 232 2.6 11 Haliburton 11945 547 45.8 2 76 6.4 2 Halmitton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 347.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 256 2.2 30 Lanark 49483 1433 29.0 36 199 2.2 28 Leeds Grenville 83166 2435 29.3 34 198 2.4 20 Lanark 49483 1433 29.0 36 199 2.2 28 Leenox Addington 32988 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 1 Maldidlesex 344586 1352 39.4 10 676 2.0 37 Muskoka 3958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 678 2.4 18 Niagara 365197 12891 35.0 12 1015 1.7 42 Northumberland 6226 1802 272 39 101 1.5 46 Peterborough 105493 3437 32.2 29 101 1.5 48 PericeCtward 1998 16 6226 1802 272 39 101 1.5 46 Peterborough 105493 3437 32.2 29 101 1.5 46 Peterborough 105493 3437 32.2 29 44 154 1.8 11 Simce 416404 400 9 593 2.5 15 Sudbury District & Reg. Munic. 168677 6094 36.1 17 37.9 3.2 2 27 Peterborough 254281 110307 43.4 4 4029 1.6 45 Victoria 54328 110307 43.4 4 4029 1.6 45 Victoria 54328	URISDICTION		Number	Rate	Rank	Number	Rate	Rank	Drinking
Erruce 57119 1286 22.5 45 129 2.3 24	ligoma	117339	4908	41.8	8	326	2.8	8	6.2%
Dufferin 84846 2903 34.2 24 18.2 2.1 31	Brant	102085	3287	32.2	30	250	2.4	16	7.1%
Dufferin 34452	Bruce	57119	1286	22.5	45	129	2.3	24	9.1%
Durham	Cochrane	84846	2903	34.2	24	182	2.1	31	5.9%
Elgin 69174 1743 25.2 42 137 2.0 36 Essex 314952 10311 32.7 26 756 2.4 19 Frontenac 119332 4103 34.4 22 216 18. 40 Grey 75157 2038 27.1 40 168 2.2 26 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haliburton 11945 547 45.8 2 76 6.4 2 Halton 281668 10923 38.8 14 512 1.8 39 Hamilton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hashingy 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1683 47.0 1 126 3.6 3 Kenora 35150 1683 47.0 1 126 3.6 3 Kenora 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lamark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39558 1733 43.4 5 140 3.5 5 Nilsigara 365197 12881 35.3 18 878 2.4 18 Nipisaring 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Cottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Perry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perrh 66266 1802 27.2 39 101 1.5 46 Petrborough 105493 3437 32.6 27 254 2.4 17 Persecott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 21 Frence Edward 21793 408 18.7 47 51 2.3 22 Frence Edward 24894 9661 40.0 9 593 2.5 15 Frence Edward 24894 9661 40.0 9	Oufferin	34452	1452	42.1	7	103	3.0	7	6.6%
Essex 314952 10311 32.7 26 756 2.4 19 Frontenac 119332 4103 34.4 22 216 1.8 40 Grey 75157 2038 27.1 40 168 2.2 26 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haliburton 11945 547 45.8 2 76 6.4 2 Halton 281668 10923 38.8 14 512 1.8 39 Hamilton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leads & Grenville 83166 2435 29.3 34 198 2.4 20 Leanox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Middlesex 344586 3958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peter brorough 105493 3437 3.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 19 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18891 612 32.2 29 43 2.3 23 Northumberland 67232 2163 32.2 29 43 2.3 23 Northumberland 21793 408 18.7 47 51 2.3 21 Rainy River 18891 612 32.2 29 43 2.3 23 Northumberland 156494 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Giengarry 101978 3136 30.8 32 211 2.1 35 Northumberland 168677 6094 36.1 17 7 37 32.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 254251 11307 743 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Wellington 143778 5566 38.7 15 298 2.1 34	Ourham	347837	12158	35.0	21	859	2.5	13	6.6%
Essex 314952 10311 32.7 26 756 2.4 19 Frontenac 119332 4103 34.4 22 216 1.8 40 Grey 75157 2038 27.1 40 168 2.2 26 Estation 28168 10923 38.8 14 232 2.6 11 Estation 28168 10923 38.8 14 512 1.8 39 Estation 28168 10923 38.8 14 512 1.8 39 Estation 429466 16721 38.9 13 694 1.6 44 Estating 106240 3643 34.3 23 261 2.5 14 Estating 106240 3643 34.3 23 261 2.5 25 265 2.2 25 25 2.2 25 25 2.2 25 25	lgin	69174	1743	25.2	42	137	2.0	36	7.3%
Frontenac 119332 4103 34.4 22 216 1.8 40 Grey 75157 2038 27.1 40 168 2.2 26 Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haliburton 11945 547 45.8 2 76 6.4 2 Haldimand-Wentworth 281668 10923 38.8 14 512 1.8 39 Halmilton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lambton 119528 3491 29.2 35 258 2.2 30 Lambton 119528 3491 29.2 35 258 2.2 30 Laenark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Leenox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39558 1733 43.4 5 140 3.5 5 Nigagra 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Dthawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Perterborough 105493 3437 32.6 27 254 2.4 17 Perterboro		314952	10311	32.7	26	756	2.4	19	6.8%
Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk Haldimand-Norfolk 11945 547 45.8 2 76 6.4 2 Halton 281668 10923 38.8 14 512 1.8 39 Hamilton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 27.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lambton 119528 3491 29.2 35 258 2.2 30 Lamark 49483 1433 29.0 36 109 2.2 28 Leads & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30,7 33 444 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Muskoka 39958 1733 43.4 5 140 3.5 5 Nisigara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Coxford 84008 2961 352 2172 390 101 1.5 48 Peel 608327 23727 390 12 1015 1.7 43 Peer Perth 66266 100 34203 343 343 35 26 27 27 27 390 101 1.5 48 Peer Peterborough 105493 3437 32.6 27 27 29 40 101 11 11 11 11 11 11 11 11 11 11 11 1		119332	4103	34.4	22	216	1.8	40	5.0%
Haldimand-Norfolk 89225 2381 26.7 41 232 2.6 11 Haldimand-Norfolk 11945 547 45.8 2 76 6.4 2 Haldimand-Norfolk 11945 547 45.8 2 76 6.4 2 Haldimand-Norfolk 281668 10923 38.8 14 512 1.8 39 Hamilton-Wentworth 429466 16721 38.9 13 694 1.6 44 Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Peel 608327 23727 39.0 12 1015 1.7 43 Peer Per Charlet 62626 1802 27.2 39 101 1.5 46 Peter Formore Manitoulin 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 167 47 51 2.3 21 Reinfrew 85953 2150 25.0 44 154 1.8 41 Simoe 241694 9661 40.0 9 593 2.5 15 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Stormort, Dundas, & Glengarry 101978 3136 30.8 32 211 34 40.9 2.2 27 Thunder Bay 110978 3136 30.8 32 211 33 35 2.2 27 Thunder Bay 110976 3136 30.8 32 211 3.3 35 2.2 27 Thunder Bay 110976 3136 30.8 37 11 11 750 2.2 29 Wallington 143778 5566 38.7 15 528 2.1 34	arev	75157	2038	27.1	40	168	2.2	26	7.6%
Haliburton		89225	2381	26.7	41	232	2.6	11	8.9%
Hamilton-Wentworth Hastings 106240 3643 34.3 23 261 2.5 14 Heltron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lamotton 119528 3491 29.2 35 258 2.2 30 Leads Grenville 83166 2435 29.3 34 198 2.4 20 Lenarox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 34458 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 177 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 3512 19 180 2.1 32 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 28 28 29 43 2.3 21 23 21 23 21 23 24 28 29 43 2.3 21 28 28 29 43 29 29 43 20 21 21 21 21 21 21 21 21 21 21 21 21 21	daliburton	11945	547	45.8	2		6.4	2	12.2%
Hamilton-Wentworth Hastings 106240 3643 34.3 23 261 2.5 14 Heltron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lamotton 119528 3491 29.2 35 258 2.2 30 Leads Grenville 83166 2435 29.3 34 198 2.4 20 Lenarox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 34458 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 177 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 3512 19 180 2.1 32 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 28 28 29 43 2.3 21 23 21 23 21 23 24 28 29 43 2.3 21 28 28 29 43 29 29 43 20 21 21 21 21 21 21 21 21 21 21 21 21 21	dalton	281668	10923	38.8	14	512	1.8	39	4.5%
Hastings 106240 3643 34.3 23 261 2.5 14 Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kenora 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 3298 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 34586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 8408 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Petrh 66226 1802 27.2 39 101 1.5 46 Peter borough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Petrine Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Wellington 143778 5566 38.7 15 298 2.1 34			16721	38.9	13	694	1.6	44	4.0%
Huron 55589 1208 21.7 46 125 2.2 25 Kenora 35150 1653 47.0 1 126 3.6 3 Kenora 35150 1653 47.0 1 126 3.6 3 A Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lenox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Reinfrew 85953 2150 25.0 44 154 1.8 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Reinfrew 85953 2150 25.0 44 154 1.8 41 Simon Pierre Monitor Middle Rein Reinfrew 85953 2150 25.0 44 154 1.8 41 Simon Pierre Monitor Middle Reinfrew 85953 2150 25.0 44 154 1.8 41 Simon Pierre Monitor Middle Reinfrew 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thundle Ray 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Waterloo									6.7%
Kenora 35150 1653 47.0 1 126 3.6 3 Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Leenox & Addington 32988 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Nilagara 365197 12881 35.3 18 878 2.4 18 Nijejasing 74599 2420 32									9.4%
Kent 105176 2894 27.5 38 223 2.1 33 Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niggara 365197 12881 35.3 18 878 2.4 18 Nipjasing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163									7.1%
Lambton 119528 3491 29.2 35 258 2.2 30 Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 184 25.1 43 115 1.9 38 Perince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 25.0 44 154 1.8 41 Simcoe 241694 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 35.0 20 150 2.7 9 Wellington 143778 5566 38.7 15 298 2.1 34									7.2%
Lanark 49483 1433 29.0 36 109 2.2 28 Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Midodlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Niejssing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Perince Call 608327 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6.9%</td></td<>									6.9%
Leeds & Grenville 83166 2435 29.3 34 198 2.4 20 Lennox & Addington 32998 912 27.6 37 86 2.6 10 Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 13									7.1%
Manitoulin 32998 912 27.6 37 86 2.6 10									7.5%
Manitoulin 6771 208 30.7 33 44 6.5 1 Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Niigasing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Peeth 66226 1802 27.									8.6%
Middlesex 344586 13562 39.4 10 676 2.0 37 Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Octtawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138<									17.5%
Muskoka 39958 1733 43.4 5 140 3.5 5 Niagara 365197 12881 35.3 18 878 2.4 18 Nipissing 74599 2420 32.4 28 129 1.7 42 Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484									4.7%
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Northumberland 67232 2163 32.2 31 204 3.0 6 Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>5.1%</td>	_								5.1%
Ottawa-Carleton 623135 22732 36.5 16 861 1.4 47 Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Priscott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 25.0 44 154 1.8 41 Simcoe 241694 9661									8.6%
Oxford 84008 2961 35.2 19 180 2.1 32 Parry Sound 30138 1300 43.1 6 106 3.5 4 Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 25.0 44 154 1.8 41 Simcoe 241694 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Glengarry 101978 3									3.6%
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Peel 608327 23727 39.0 12 1015 1.7 43 Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 25.0 44 154 1.8 41 Simcoe 241694 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 <									7.5%
Perth 66226 1802 27.2 39 101 1.5 46 Peterborough 105493 3437 32.6 27 254 2.4 17 Prescott & Russell 59138 1484 25.1 43 115 1.9 38 Prince Edward 21793 408 18.7 47 51 2.3 21 Rainy River 18981 612 32.2 29 43 2.3 23 Renfrew 85953 2150 25.0 44 154 1.8 41 Simcoe 241694 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Toronto (Metro) & York	· ·								4.1%
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Simcoe 241694 9661 40.0 9 593 2.5 15 Stormont, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									6.7%
Stormont, Dundas, & Glengarry 101978 3136 30.8 32 211 2.1 35 Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									
Sudbury District & Reg. Munic. 168677 6094 36.1 17 373 2.2 27 Thunder Bay 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									5.8%
Thunder Bay 140951 6142 43.6 3 356 2.5 12 Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									6.3%
Timiskaming 35741 1181 33.0 25 82 2.3 22 Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									5.8%
Toronto (Metro) & York Region 2542851 110307 43.4 4 4029 1.6 45 Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34	*								5.5%
Victoria 55132 1931 35.0 20 150 2.7 9 Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34	_								6.5%
Waterloo 342030 13357 39.1 11 750 2.2 29 Wellington 143778 5566 38.7 15 298 2.1 34									3.5%
Wellington 143778 5566 38.7 15 298 2.1 34									7.2%
·									5.3%
	veilington	143//8	5566	38.7	15	298	2.1	34	5.1%
CNTARIO 9096294 343385 37.7 17819 2.0	ONTARIO	9096294	343385	37.7		17819	2.0		4.9%

Table 10B

Normal and Drinking Drivers Involved in Crashes During 1989:
Rates for Ontario's Counties and Regional Municipalities

F	OPULATION*	NORMA	L DRIV	ERS	DRINKIN	IG DRIV	'ERS	% Driver:
JURISDICTION		Number	Rate	Rank	Number	Rate	Rank	Drinking
Algoma	117339	5317	45.3	8	284	2.4	16	5.1%
Brant	102085	3444	33.7	32	254	2.5	14	6.9%
Bruce	57119	1302	22.8	47	140	2.5	15	9.7%
Cochrane	84846	3072	36.2	27	151	1.8	38	4.7%
Dufferin	34452	1602	46.5	6	95	2.8	8	5.6%
Durham	347837	13101	37.7	23	769	2.2	20	5.5%
Elgin	69174	1927	27.9	43	129	1.9	36	6.3%
Essex	314952	10857	34.5	30	685	2.2	22	5.9%
Frontenac	119332	4810	40.3	18	204	1.7	40	4.1%
Grey	75157	2306	30.7	37	159	2.1	23	6.5%
Haldimand-Norfolk	89225	2585	29.0	40	265	3.0	6	9.3%
Haliburton	11945	630	52.7	1	53	4.4	2	7.8%
Halton	281668	11632	41.3	15	486	1.7	39	4.0%
Hamilton-Wentworth	429466	17315	40.3	16	657	1.5	45	3.7%
Hastings	106240	4072	38.3	21	277	2.6	11	6.4%
Huron	55589	1290	23.2	46	86	1.5	44	6.3%
Kenora	35150	1729	49.2	4	110	3.1	5	6.0%
Kent	105176	3217	30.6	38	205	1.9	34	6.0%
Lambton	119528	3453	28.9	41	249	2.1	27	6.7%
Lanark	49483	1572	31.8	35	104	2.1	25	6.2%
Leeds & Grenville	83166	2848	34.2	31	192	2.3	17	6.3%
	32998	1040	31.5	36	75	2.3	18	6.7%
Lennox & Addington	6771	270	39.9	19	44	6.5	1	
Manitoulin Middlesex	344586	14568	42.3	13	699	2.0	30	14.0%
								4.6%
Muskoka	39958	1970	49.3	3	143	3.6	3	6.8%
Niagara	365197	15137	41.4	14	949	2.6	12	5.9%
Nipissing	74599	3180	42.6	11	149	2.0	31	4.5%
Northumberland	67232	2396	35.6	28	182	2.7	9	7.1%
Ottawa-Carleton	623135	24440	39.2	20	754	1.2	47	3.0%
Oxford	84008	3085	36.7	25	141	1.7	41	4.4%
Parry Sound	30138	1492	49.5	2	107	3.6	4	6.7%
Peel	608327	27102	44.6	9	1091	1.8	37	3.9%
Perth	66226	1920	29.0	39	85	1.3	46	4.2%
Peterborough	105493	3687	35.0	29	238	2.3	19	6.1%
Prescott & Russell	59138	1658	28.0	42	113	1.9	35	6.4%
Prince Edward	21793	519	23.8	45	48	2.2	21	8.5%
Rainy River	18981	691	36.4	26	40	2.1	24	5.5%
Renfrew	85953	2185	25.4	44	168	2.0	32	7.1%
Simcoe	241694	10607	43.9	10	638	2.6	10	5.7%
Stormont, Dundas, & Glengarry	101978	3383	33.2	34	213	2.1	26	5.9%
Sudbury District & Reg. Munic.	168677	7173	42.5	12	347	2.1	28	4.6%
Thunder Bay	140951	6476	45.9	7	365	2.6	13	5.3%
Timiskaming	35741	1198	33.5	33	57	1.6	43	4.5%
Foronto (Metro) & York Region	2542851	120132	47.2	5	4172	1.6	42	3.4%
Victoria	55132	2057	37.3	24	155	2.8	7	7.0%
Waterloo	342030	13789	40.3	17	667	2.0	33	4.6%
Wellington	143778	5419	37.7	22	294	2.0	29	5.1%
ONTARIO	9096294	373655	41.1		17488	1.9		4.5%

^{*} Estimated 1988 Population

APPENDIX B

1988-1989 STATISTICS ON DRINKING AND DRIVING:

COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

STATISTICS ON DRINKING AND DRIVING: COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

The following pages, which comprise the greater part of this report, present drinking-driving statistics for Ontario's counties and regional municipalities. In particular, the tables and figures report numbers of **crash-involved** drivers reported by police officers as "normal" (NOR), "had been drinking" (HBD), or "ability impaired by alcohol" (IMP). For each jurisdiction from 1980 through 1989, drivers are grouped by gender and severity of crash (property damage, injury, fatal).

To many readers, these tables of numbers -- or, as researchers would call them, *raw data* -- will no doubt seem of little use, much less of interest. Readers are reminded that this **is** a *statistical* yearbook and that is intended to provide a detailed (not exhaustive) account of Ontario's experience during 1988 and 1989. "Raw data" often yield answers to questions many people ask, for example: (1) How big is the drinking-driving problem in **my** community? (2) What percentage of drivers involved in traffic crashes have consumed alcohol? (3) Are we making *progress*? This report cannot provide complete answers to all these questions. Only some of the numbers are provided to indicate **what happened** -- and **what happened over time** -- to the problem of drinking and driving on a *local* level.

Based on police-reported data for each county or regional municipality, therefore, the *number* of drinking and normal drivers involved in traffic crashes from 1980 through 1989 are presented. The *number of drinking drivers involved in traffic crashes* is one measure of the magnitude of the problem. The Problem Index -- i.e., the *ratio of crash-involved* **drinking** *drivers to crash-involved* **normal** *drivers* is also plotted. As discussed in Section 3, this measure of drinking-driving problems over time controls for factors (for example, economic conditions) that give rise **both** to alcohol- **and** nonalcohol-related traffic crashes -- notwithstanding programs aimed to reduce impaired-driving problems. Finally, the percentage of crash-involved drivers reported by police as normal, had been drinking (HBD), and impaired are charted for both 1988 and 1989.

ALGOMA

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige	Per	sona	l Injur	у		Fat	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	238	135	373	2753	216	101	317	1194	10	6	16	28	464	242	706	39
1981	282	131	413	2663	227	126	353	1253	5	14	19	34	514	271	785	3
1982	206	112	318	2640	163	92	255	1005	4	3	7	20	373	207	580	3
1983	138	96	234	2070	120	83	203	834	2	5	7	12	260	184	444	2
1984	150	78	228	2006	98	91	189	856	7	7	14	17	255	176	431	2
1985	103	59	162	1775	109	85	194	1016	2	3	5	17	214	147	361	2
1986	66	53	119	1499	81	50	131	914	3	8	11	21	150	111	261	2
1987	58	49	107	1521	74	53	127	893	4	2	6	22	136	104	240	2
1988	84	64	148	2465	73	58	131	931	1	6	7	16	158	128	286	3
1989	76	64	140	2689	42	66	108	987	2	4	6	10	120	134	254	3
Fema	le															
1980	27	12	39	907	26	9	35	451	1	0	1	2	54	21	75	1
1981	28	17	45	895	25	11	36	475	2	1	3	7	55	29	84	1
1982	24	6	30	890	23	8	31	427	0	1	1	2	47	15	62	1
1983	30	6	36	786	25	5	30	334	0	0	0	5	55	11	66	1
1984	15	8	23	805	18	7	25	372	0	0	0	4	33	15	48	1
1985	15	11	26	721	18	4	22	490	0	2	2	2	33	17	50	1
1986	10	6	16	640	18	7	25	413	Ø	1	1	4	28	14	42	1
1987	7	2	9	707	12	2	14	452	0	0	0	6	19	4	23	1
1988	9	8	17	1029	13	8	21	463	11	1	2	4	23	17	40	1
1989	10	7	17	1153	8	5	13	473	ā	0	0	5	18	12	30	1
Total																
1980	265	147	412	3660	242	110	352	1645	11	6	17	30	518	263	781	5
1981	310	148	458	3558	252	137	389	1728	7	15	22	41	569	300	869	5
1982	230	118	348	3530	186	100	286	1432	4	4	8	22	420	222	642	4
1983	168	102	270	2856	145	88	233	1168	2	5	7	17	315	195	510	4
1984	165	86	251	2811	116	98	214	1228	7	7	14	21	288	191	479	4
1985	118	70	188	2496	127	89	216	1506	2	5	7	19	247	164	411	4
1986	76	59	135	2139	99	57	156	1327	3	9	12	25	178	125	303	3
1987	65	51	116	2228	86	55	141	1345	4	2	6	28	155	108	263	3
1988	93	72	165	3494	86	66	152	1394	2	7	9		181	145	326	4
1989	86	71	157	3842	50	71	121	1460	2	4	6	15	138	146	284	5

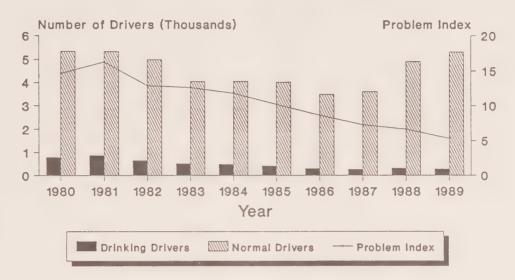
KEY: HBD -- Drivers reported by police to have been drinking

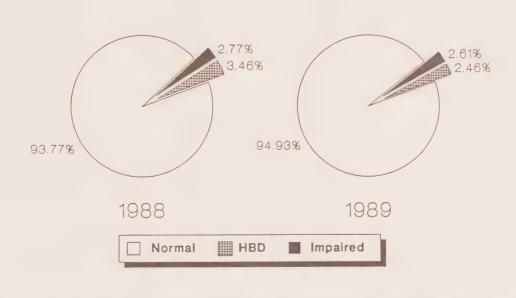
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ALGOMA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





BRANT

Year	Prop	erty	Dama	ige		Per	sona	l Injur	у	F	at	al				Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	ı	HBD	IMP	D/D	NOR	HBD IN	/P	D/D	NOR	ا	HBD	IMP	D/D	NOR
Male																		
1980	134	65	199	1627		112	59	171	811	3	5	8	9		249	129	378	244
1981	114	78	192	1511		94	70	164	716	5	2	7	11		213	150	363	22
1982	108	67	175	1362		87	41	128	619	7	8	15	6		202	178	318	19
1983	98	59	157	1405		96	45	141	678	1	2	3	5		195	106	301	20
1984	79	49	128	1475		82	40	122	667	1	2	3	8		162	91	253	21
1985	77	50	127	1445		81	52	133	858	8	4	12	13		166	106	272	23
1986	54	54	108	1354		64	56	120	792	1	3	4	11		119	113	232	21
1987	47	54	101	1209		81	46	127	756	1	9	10	18	L	129	109	238	19
1988	62	34	96	1388		64	51	115	784	8	2	10	9		134	87	221	21
1989	67	48	115	1439		50	60	110	773	0	4	4	12		117	112	229	22
Femal	le																	
1980	12	7	19	656		15	9	24	322	0	0	0	4		27	16	43	9
1981	10	3	13	655		18	2	20	329	1	0	1	3		29	5	34	9
1982	15	5	20	630		21	3	24	312	1	3	4	5		37	11	48	9
1983	18	6	24	657		12	3	15	320	0	0	0	5		30	9	39	9
1984	9	5	14	694		12	5	17	352	1	0	1	7		22	10	32	10
1985	7	7	14	649		19	4	23	446	Ö	1	1	5		26	12	38	11
1986	5	5	10	625		16	6	22	439	11	1	2	2		22	12	34	10
1987	7	6	13	652		18	6	24	439	O	2	2	5		25	14	39	10
1988	3	5	8	694		16	5	21	410	0	0	0	2		19	10	29	1
1989	9	6	15	755		8	1	9	463	1	0	1	2		18	7	25	12
Total												•						
1980	146	72	218	2283		127	68	195	1133	3	5	8	13		276	145	421	34
1981	124	81	205	2166		112	72	184	1045	6	2	8	14		242	155	397	32
1982	123	72	195	1992		108	44	152	931	8	11	19	11		239	127	366	25
1983	116	65	181	2062		108	48	156	998	1	2	3	10		225	115	340	3
1984	88	54	142	2169		94	45	139	1019	2	2	4	15		184	101	285	33
1985	84	57	141	2094		100	56	156	1304	8	5	13	18		192	118	310	3
1986	59	59	118	1979		80	62	142	1231	2	4	6	13		141	125	266	3:
1987	54	60	114	1861		99	52	151	1195	1	11	12	23		154	123	277	3
1988	65	39	104	2082		80	56	136	1194	8	2	10	11		153	97	250	33
1989	76	54	130	2194		58	61		1236	1	4	5	14		135	119	254	34

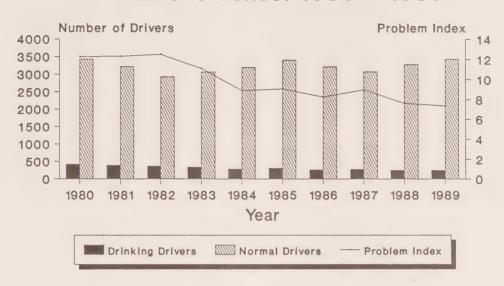
KEY: HBD -- Drivers reported by police to have been drinking

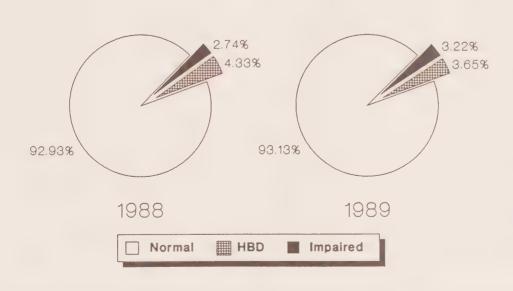
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

BRANT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





BRUCE

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	perty	Dama	ige		Per	sona	l Injur	у	F	at	al			Tot	al	
&																	
Sex	HBD	IMP	D/D	NOR	F	1BD	IMP	D/D	NOR	HBD IN	/IP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
1980	141	46	187	671		95	27	122	319	2	4	6	13	238	77	315	100
1981	87	33	120	713		113	28	141	290	2	5	7	6	202	66	268	100
1982	118	29	147	602		106	30	136	293	3	4	7	9	227	63	290	90
1983	85	24	109	597		85	22	107	264	1	3	4	9	171	49	220	87
1984	56	27	83	533		87	19	106	329	1	4	5	6	144	50	194	80
1985	59	19	78	524		86	22	108	355	0	1	1	2	145	42	187	8
1986	40	14	54	453		43	15	58	243	3	5	8	6	196	34	120	7
1987	35	14	49	497		59	16	75	266	1	2	3	6	95	32	127	7
1988	38	21	59	590		40	13	53	281	3	4	7	4	81	38	119	8
1989	45	19	64	585		40	17	57	268	5	2	7	6	90	38	128	8
Fema	le																
1980	14	5	19	216		15	1	16	114	1	0	1	2	30	6	36	3
1981	12	2	14	225		10	0	10	112	2	0	2	3	24	2	26	3
1982	7	2	9	243		21	2	23	128	D	0	0	1	28	4	32	3
1983	11	3	14	210		7	2	9	115	1	0	1	1	19	5	24	3
1984	14	3	17	257		13	2	15	120	Ö	0	0	3	27	5	32	3
1985	10	1	11	224		13	4	17	150	11	0	- 1	3	24	5	29	3
1986	4	1	5	229		6	3	9	130	0	0	0	2	10	4	14	3
1987	7	0	7	199	L	5	1	6	142	1	1	2	2	13	2	15	3
1988	2	1	3	278		1	6	7	130	Ø	0	0	3	3	7	10	4
1989	6	3	9	296		2	1	3	144	0	0	0	3	8	4	12	4
Total																	
1980	155	51	206	887		110	28	138	433	3	4	7	15	268	83	351	13
1981	99	35	134	938		123	28	151	402	4	5	9	9	226	68	294	13
1982	125	31	156	845		127	32	159	421	3	4	7	10	255	67	322	12
1983	96	27	123	807		92	24	116	379	2	3	5	10	190	54	244	11
1984	70	30	100	790		100	21	121	449	1	4	5	9	171	55	226	12
1985	69	20	89	748		99	26	125	505	1	1	2	5	169	47	216	13
1986	44	15	59	682		49	18	67	373	3	5	8	8	96	38	134	10
1987	42	14	56	696		64	17	81	408	2	3	5	8	108	34	142	11
1988	40	22	62		-	41	19	60	411	3	4	7	7	84	45	129	1:
1989	51	22	73	881		42	18	60	412	5	2	. 7	9	98	42		10

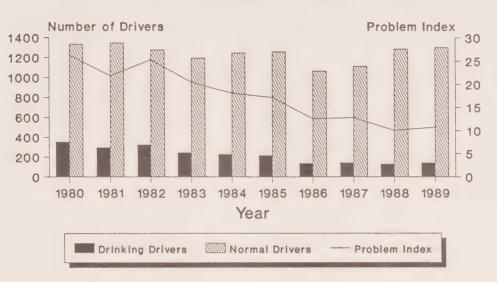
KEY: HBD -- Drivers reported by police to have been drinking

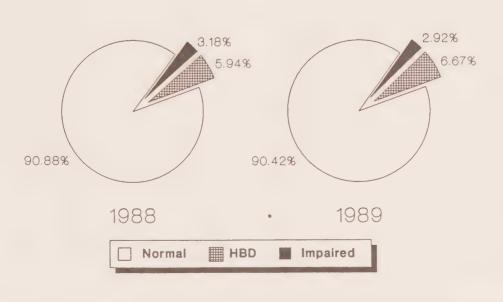
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D - Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

BRUCE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty	Dama	age	P	ersor	al Inj	ury		F	Fata	al				Tota	al	
&											ŕ							
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NO	OR	HBD II	MP [D/D 1	NOR	١	HBD	IMP	D/D	NOR
Male																		
1980	118	58	176	1430		33 5	56 1	39	644	7	1	8	14		208	115	323	2088
1981	115	68	183	1604	1	07 4	15 1	52	678	5	2	7	11		227	115	342	2293
1982	99	56	155	1500		95 5	52 1	47	657	4	4	8	16		198	112	310	2173
1983	72	35	107	1310		67 4	12 1	09	642	4	0	4	15		143	77	220	1967
1984	80	50	130	1426		62 4	10 1	02	648	1	1	2	7		143	91	234	2081
1985	47	45	92	1288		53 3	33	86	664	1	1	2	8		101	79	180	1960
1986	40	30	70	1064		36	30	66	545	0	4	4	5		76	64	140	1614
1987	40	35	75	1081		35 4	14	79	663	2	3	5	9		77	82	159	1753
1988	42	43	85	1553		43 2	29	72	591	0	3	3	12		85	75	160	2156
1989	36	30	66	1546		30 (32	62	625	0	1	1	12		66	63	129	2183
Femal	le																	
1980	7	2	9	417		5	3	8	174	3	0	3	1		15	5	20	592
1981	10	5	15	427		7	4	11	197	0	0	0	2		17	9	26	626
1982	10	3	13	423		8	5	13	189	0	0	0	1		18	8	26	613
1983	9	3	12	393		4	3	7	210	1	1	2	2		14	7	21	605
1984	13	6	19	454		6	3	9	240	0	0	0	3		19	9	28	697
1985	5	3	8	390		6	0	6	246	1	0	1	1		12	3	15	637
1986	2	4	6	377		8	3	11	254	0	0	0	1		10	7	17	633
1987	3	5	8	396		10	3	13	272	1	0	1	5	_	14	8	22	673
1988	7	4	11	515		3	8	11	232	0	0	0	0		10	12	22	74
1989	4	5	9	592		2	10	12	296	0	1	1	1	 _	6	16	22	88
Total	1																	
1980	125	60	185	1847		88	59 1	47	818	10	1	11	15		223	120	343	268
1981	125	73	198	2031	1	14	49 1	63	875	5	2	7	13		244	124	368	291
1982	109	59	168	1923	1	03	57 1	60	846	4	4	8	17		216	120	336	278
1983	81	38	119	1703		71	45 1	16	852	5	1	6	17		157	84	241	257
1984	93	56	149	1880		68	43 1	11	888	1	1	2	10		162	100	262	277
1985	52	48	100	1678		59	33	92	910	2	1	3	9		113	82	195	259
1986	42	34	76	1441		44	33	77	799	0	4	4	6		86	71	157	224
1987	43	40	83	1477		45	47	92	935	3	3	6	14		91	90	181	242
1988	49	47	96	2068		46	37	83	823	0	3	3	12		95	87	182	290
1989	40	35	75	2138		32	42	74	921	0	2	2	13		72	79	151	307

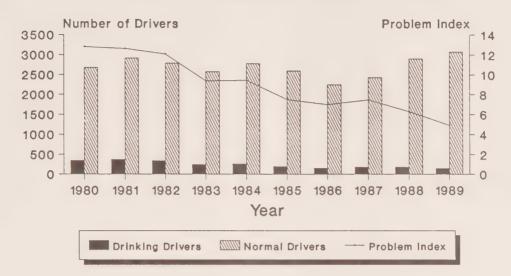
KEY: HBD -- Drivers reported by police to have been drinking

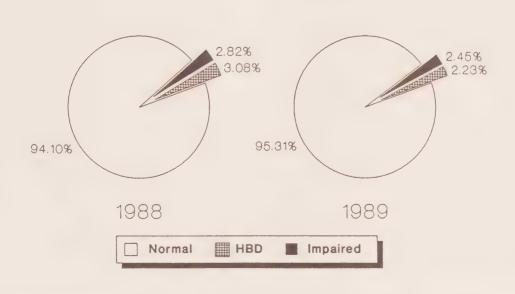
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

COCHRANE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





DUFFERIN

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige		Per	sona	l Inju	ry	F	ata	al			Tot	al	***************************************
&					,-												
Sex	HBD	IMP	D/D	NOR	Н	BD	IMP	D/D	NOR	HBD IM	IP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																	
1980	51	13	64	483		41	12	53	258	2	1	3	4	94	26	120	745
1981	44	12	56	414		52	11	63	242	1	4	5	5	97	27	124	661
1982	41	17	58	386		35	13	48	215	3	4	7	13	79	34	113	614
1983	37	16	53	424		37	14	51	219	2	6	8	7	76	36	112	650
1984	27	13	40	452		28	13	41	261	0	3	3	6	55	29	84	719
1985	24	11	35	460		34	19	53	306	3	0	3	2	61	30	91	768
1986	26	16	42	473		53	24	77	288	0	1	1	7	79	41	120	768
1987	27	8	35	545		24	15	39	364	2	2	4	8	53	25	78	917
1988	38	17	55	688		28	9	37	295	0	0	0	11	66	26	92	994
1989	28	13	41	770		26	18	44	284	0	2	2	7	54	33	87	1061
Femal	е																
1980	3	1	4	165		2	0	2	104	0	0	0	1	!	5 1	6	270
1981	5	3	9	150		4	1	5	93	1	0	1	0	1	4	15	243
1982	2	1	3	177		4	0	4	84	0	0	0	3	(5 1	7	264
1983	3	0	3	171		3	3	6	70	0	0	0	2		3	9	243
1984	4	2	6	218		4	3	7	117	0	0	0	1	} {	5	13	336
1985	6	0	6	184		4	0	4	132	0	1	1	0	10	1	11	316
1986	2	1	3	206		2	2	4	141	0	0	0	3	4	3	7	350
1987	0	2	2	209		10	3	13	159	0	0	0	3	. 10	5	15	371
1988	5	1	6	288		3	2	5	166	0	0	0	4		3 3	11	458
1989	4	0	4	353		3	1	4	181	0	0	0	7		7 1	8	541
Total																	
1980	54	14	68	648		43	12	55	362	2	1	3	5	9	27	126	1015
1981	50	15	65	564		56	12	68	335	2	4	6	5	10	31	139	904
1982	43	18	61	563		39	13	52	299	3	4	7	16	8	35	120	878
1983	40	16	56	595		40	17	57	289	2	6	8	9	8:	2 39	121	893
1984	31	15	46	670		32	16	48	378	0	3	3	7	6	3 34	97	1055
1985	30	11	41	644		38	19	57	438	3	1	4	2	7	31	102	1084
1986	28	17	45	679		55	26	81	429	0	1	1	10	8	3 44	127	1118
1987	27	10	37	754		34	18	52	523	2	2	4	11	6	3 30	93	1288
1988	43	18	61	976		31	11	42	461	0	0	0	15	7.	1 29	103	1452
1989	32	13	45	1123		29	19	48	465	0	2	2	14	6	34	95	1602

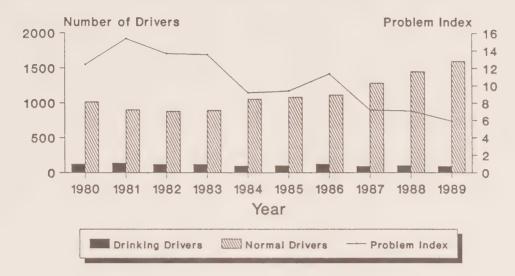
KEY: HBD -- Drivers reported by police to have been drinking

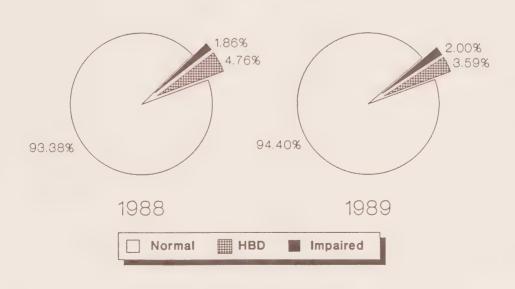
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DUFFERIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty	Dama	age	Pei	rsona	l Injui	y	F	ata	ıl			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	AP D)/D N	OR	HBD	IMP	D/D	NOR
Male																
1980	33	14	47	239	24	9	33	82	Ø	2	2	7	57	25	82	328
1981	31	10	41	164	22	6	28	69	1	2	3	6	54	18	72	239
1982	28	4	32	170	15	5	20	60	3	1	4	4	46	10	56	234
1983	23	3	26	131	17	5	22	61	0	1	1	6	40	9	49	198
1984	28	7	35	206	23	13	36	88	3	1	2	5	52	21	73	299
1985	19	5	24	203	19	10	29	112	O	1	1	2	38	16	54	317
1986	17	9	26	202	16	9	25	98	2	1	3	0	35	19	54	300
1987	16	5	21	174	19	7	26	117	0	0	0	3	35	12	47	294
1988	9	9	18	199	13	5	18	79	1	1	2	1	23	15	38	279
1989	13	6	19	245	10	8	18	101	1	1	2	3	24	15	39	349
Femal	le			000000000000000000000000000000000000000												
1980	3	0	3	87	1	1	2	31	0	0	0	1	4	1	5	1:19
1981	2	1	3	54	4	0	4	22	0	0	0	1	6	1	7	77
1982	2	0	2	60	5	0	5	25	1	0	1	2	8	0	8	87
1983	3	0	3	58	1	0	1	30	0	0	0	1	4	0	4	89
1984	2	1	3	80	1	0	1	34	0	0	0	0	3	1	4	114
1985	1	0	1	89	3	1	4	47	0	0	0	1	4	1	5	137
1986	2	0	2	82	1	2	3	36	0	0	0	0	3	2	5	118
1987	1	0	1	74	3	0	3	48	0	0	0	0	4	0	4	122
1988	1	0	1	80	2	1	3	51	0	0	0	0	3	1	4	131
1989	a	1	1	110	4	0	4	48	đ	0	1	1	5		6	159
Total																
1980	36	14	50	326	25	10	35	113	0	2	2	8	61	26	87	447
1981	33	11	44	218	26	6	32	91	1	2	3	7	60	19	79	316
1982	30	4	34	230	20	5	25	85	4	1	5	6	54	10	64	321
1983	26	3	29	189	18	5	23	91	0	1	1	7	44	9	53	287
1984	30	8	38	286	24	13	37	122	1	1	2	5	55	22	77	413
1985	20	5	25	292	22	11	33	159	0	1	1	3	42	17	59	454
1986	19	9	28	284	17	11	28	134	2	1	3	0	38	21	59	418
1987	17	5	22	248	22	7	29	165	0	0	0	3	39	12	51	416
1988	10	9	19	279	15	6	21	130	1	1	2	1	26	16	42	410
1989	13	7	20	355	14	8	22	149	2	1	3	4	29	16	45	508

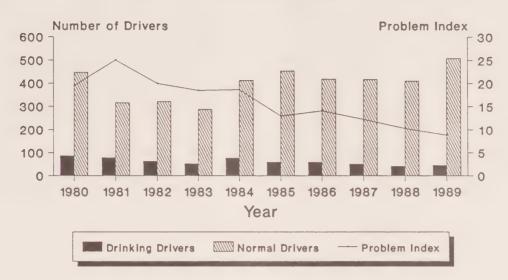
KEY: HBD -- Drivers reported by police to have been drinking

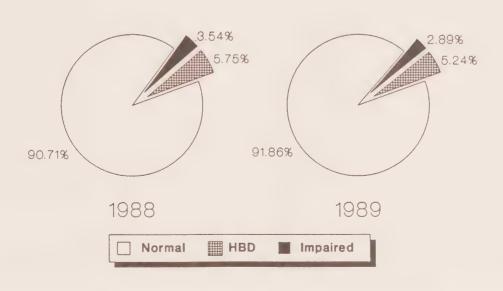
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D - Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DUNDAS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





DURHAM REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige		Per	sona	l Injur	у	I	Fata	al				Tot	al	000000000000000000000000000000000000000
&																		
Sex	HBD	IMP	D/D	NOR	Н	IBD	IMP	D/D	NOR	HBD II	MP I	D/D 1	NOR	Н	BD	IMP	D/D	NOR
Male													000000000000000000000000000000000000000					
1980	277	128	405	3542		308	148	456	2100	4	16	20	29		589	292	881	56
1981	306	150	456	3849		309	121	430	2155	6	13	19	38		621	284	905	60
1982	276	144	420	3664		268	112	380	2138	10	10	20	35		554	266	820	58
1983	241	134	375	3525		302	130	432	1983	7	19	26	24		550	283	833	55
1984	269	127	396	3818		295	121	416	2236	1	10	11	78		565	258	823	61
1985	247	118	365	3795		269	131	400	2768	4	10	14	36		520	259	779	65
1986	224	109	333	3904		235	127	362	2833	7	10	17	32		466	246	712	67
1987	197	132	329	4188		234	163	397	3100	7	7	14	35		438	302	740	73
1988	239	163	402	5275		177	150	327	2918	8	7	15	36		424	320	744	82
1989	219	167	386	5756		136	147	283	2817	3	10	13	37		358	324	682	86
Femal	le																	
1980	25	8	33	1367		52	9	61	877	1	5	6	3		78	22	100	22
1981	19	13	32	1498		39	13	52	960	3	1	4	5		61	27	88	24
1982	34	10	44	1455		41	9	50	943	8	0	1	9		76	19	95	2
1983	41	12	53	1409		42	12	54	915	10	0	0	8		83	24	107	2
1984	38	13	51	1589		31	11	42	1036	10	1	1	16		69	25	94	2
1985	27	6	33	1677		41	9	50	1258	10	1	1	8		68	16	84	2
1986	13	8	21	1749		24	6	30	1387	0	0	O	8		37	14	51	3
1987	27	9	36	1842		42	15	57	1553	Ö	2	2	7		69	26	95	3
1988	33	23	56	2378		41	18	59	1538	0	0	10	13		74	41	115	3
1989	23	20	43	2926		23	20	43	1555	1	0	1	10		47	40	87	4
Total																		
1980	302	136	438	4909		360	157	517	2977	5	21	26	32		667	314	981	7
1981	325	163	488	5162		348	134	482	3115	9	14	23	43		682	311	993	8
1982	310	154	464	5119		309	121	430	3081	11	10	21	44		630	285	915	8
1983	282	146	428	4934		344	142	486	2898	7	19	26	32		633	307	940	7
1984	307	140	447	5407		326	132	458	3272	1	11	12	94		634	283	917	8
1985	274	124	398	5472		310	140	450	4026	4	11	15	44		588	275	863	9
1986	237	117	354	5653		259	133	392	4220	7	10	17	40		503	260	763	9
1987	224	141	365	6030		276	178	454	4653	7	9	16	42		507	328	835	10
1988	272	186	458	7653		218	168	386	4456	8	7		49		498	361	859	12
1989	242		429	8682		159	167	326	4372	4			47		405	364	769	13

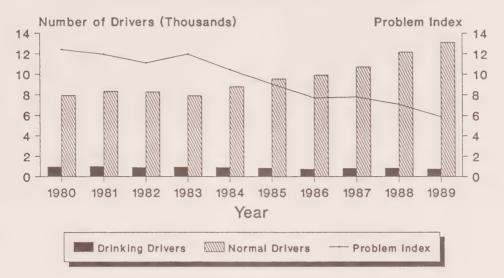
KEY: HBD -- Drivers reported by police to have been drinking

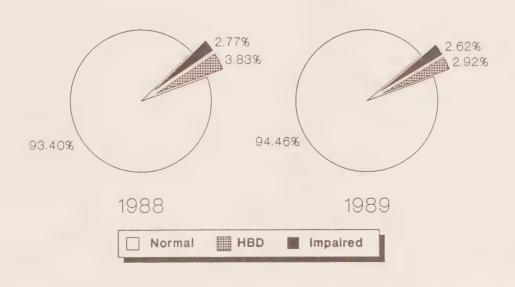
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DURHAM REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





ELGIN

Year	Prop	erty I	Dama	age		Personal Injury					F	ata	al		Total				
&																			
Sex	HBD	IMP	D/D	NOR	HE	BD	IMP	D/D	NOR		HBD IN	AP C	D/D N	IOR	HBD	IMP	D/D	NOR	
Male																			
1980	80	43	123	671		80	34	114	418		4	4	8	7	164	81	245	1096	
1981	73	44	117	634		62	26	88	333		3	4	7	9	138	3 74	212	976	
1982	61	34	95	621		80	30	110	251		2	2	4	8	143	66	209	880	
1983	53	28	81	574		45	31	76	290		0	2	2	5	98	61	159	869	
1984	43	36	79	711		47	30	77	306		5	2	7	17	9	68	163	1034	
1985	46	23	69	588		45	28	73	366		0	2	2	6	9	53	144	960	
1986	38	23	61	625		39	25	64	406		0	6	6	7	7.	7 54	131	1038	
1987	34	19	53	604		31	32	63	415		1	4	5	6	6	5 55	121	1025	
1988	38	18	56	670		41	21	62	449		0	4	4	4	79	43	122	1123	
1989	27	17	44	730		39	26	65	505		2	3	5	4	6	3 46	114	1239	
Femal	е																		
1980	8	3	11	261		15	7	22	199		1	0	1	0	2	1 10	34	460	
1981	9	5	14	284		7	1	8	161		0	0	0	6	10	6	22	451	
1982	8	2	10	248		8	3	11	136		2	0	2	3	18	3 5	23	387	
1983	4	1	5	254		5	5	10	162		0	0	0	2		9 6	15	418	
1984	4	4	8	321		10	2	12	161		0	0	0	3	1.	4 6	20	483	
1985	4	5	9	299		5	4	9	219		0	0	0	4		9	18	522	
1986	6	3	9	267		4	4	8	211		0	0	0	2	1	7	17	480	
1987	4	5	9	308		8	3	11	267		1	0	1	4	1:	3 8	21	579	
1988	1	4	5	346		5	4	9	273		1	0	1	1		7 8	15	620	
1989	6	1	7	414		5	3	8	273		0	0	0	1	1	1 4	15	688	
Total	Total																		
1980	88	46	134	932		95	41	136	617		5	4	9	7	18	91	279	1556	
1981	82	49	131	918		69	27	96	494		3	4	7	15	15	4 80	234	1427	
1982	69	36	105	869		88	33	121	387		4	2	6	11	16	1 71	232	1267	
1983	57	29	86	828		50	36	86	452		0	2	2	7	10	7 67	174	1287	
1984	47	40	87	1032		57	32	89	467		5	2	7	20	10	9 74	183	1519	
1985	50	28	78	887		50	32	82	585		0	2	2	10	10	0 62	162	1482	
1986	44	26	70	892		43	29	72	617		0	6	6	9	8	7 61	148	1518	
1987	38	24	62	912		39	35	74	682		2	4	6	10	7	9 63	142	1604	
1988	39	22	61	1016		46	25	71	722		1	4	5	5	8	6 .51	137	1743	
1989	33	18	51	1144		44	29	73	778		2	3	5	5	7	9 50	129	1927	

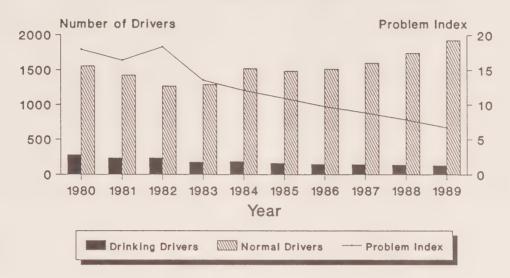
KEY: HBD -- Drivers reported by police to have been drinking

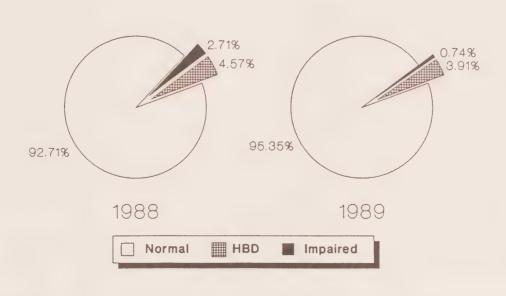
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ELGIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Y	'ear	Prop	erty	Dama	age		Personal Injury						Fat	al			Total				
	&					ſ										ſ					
	Sex	HBD	IMP	D/D	NOR	<u> </u>	HBD	IMP	D/D	NOR		HBD I	MP I	D/D N	IOR		HBD	IMP	D/D	NOR	
M	lale																				
198	30	363	194	557	4734		400	127	527	2565		13	9	22	32		776	330	1106	7331	
198	31	373	162	535	4312		375	135	510	2439		13	2	15	20		761	299	1060	6771	
198	32	297	139	436	3785		385	124	509	2267		6	7	13	19		688	270	958	6071	
198	33	294	150	444	3890		332	102	434	2392		4	12	16	28		630	264	894	6310	
198	34	299	176	475	4468		339	153	492	2627		5	11	16	21		643	340	983	7116	
198	35	229	139	368	4272		332	145	477	2994		9	8	17	25		570	292	862	7291	
198	36	228	118	346	4162		277	132	409	2983		3	11	14	35		508	261	769	7180	
198	37	236	112	348	4121		241	135	376	3014		4	11	15	24	-	481	258	739	7159	
198	38	192	112	304	4176		219	125	344	2610		3	10	13	27		414	247	661	6813	
198	39	193	105	298	4458	░.	160	124	284	2581		10	9	19	32		363	238	601	7071	
Fe	emal	е																			
198	30	37	8	45	1749		54	14	68	1034		4	1	5	5		95	23	118	2788	
198	31	58	26	84	1706		52	10	62	1074		0	1	1	6		110	37	147	2786	
198	32	34	7	41	1535		53	15	68	942		0	2	2	9		87	24	111	2486	
198	33	42	13	55	1587		52	12	64	1047		1	1	2	9		95	26	121	2643	
198	34	38	16	54	1899		46	10	56	1210		10	1	1	5		84	27	111	3114	
198	35	27	16	43	1781		40	11	51	1421		D	0	0	9		67	27	94	3211	
198	36	29	25	54	1788		44	24	68	1474		10	2	2	6		73	51	124	3268	
198	87	32	19	51	1909	░.	40	20	60	1525		0	0	0	5		72	39	111	3439	
198	88	30	20	50	2069		36	8	44	1425		1	0	1	4		67	28	95	3498	
198	89	27	18	45	2261		30	8	38	1516		1	0	1	9	░.	58	26	84	3786	
To	otal																				
198	80	400	202	602	6483		454	141	595	3599		17	10	27	37		871	353	1224	10119	
198	81	431	188	619	6018		427	145	572	3513		13	3	16	26		871	336	1207	9557	
198	82	331	146	477	5320		438	139	577	3209		6	9	15	28		775	294	1069	8557	
198	83	336	163	499	5477		384	114	498	3439		5	13	18	37		725	290	1015	8953	
198	84	337	192	529	6367		385	163	548	3837		5	12	17	26		727	367	1094	10230	
198	85	256	155	411	6053		372	156	528	4415		9	8	17	34		637	319	956	10502	
198	86	257	143	400	5950		321	156	477	4457		3	13	16	41		581	312	893	10448	
198	87	268	131	399	6030		281	155	436	4539		4	11	15	29		553	297	850	10598	
198	88	222	132	354	6245		255	133	388	4035		4	10	14	31		481	275	756	10311	
198	89	220	123	343	6719		190	132	322	4097		11	9	20	41		421	264	685	10857	

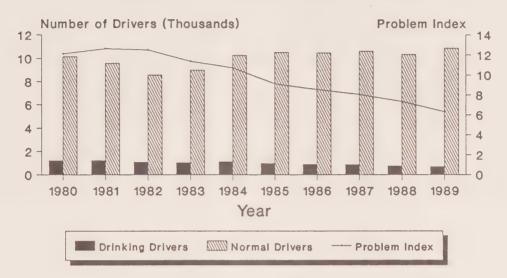
KEY: HBD -- Drivers reported by police to have been drinking

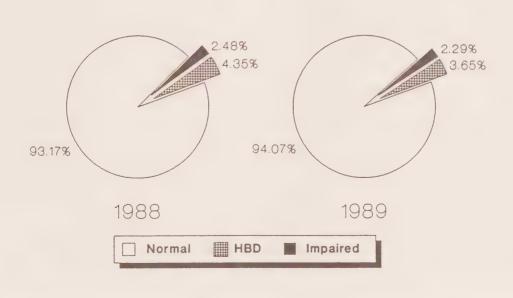
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ESSEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





FRONTENAC

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty l	Dama	nge	Pe	rsona	l Inju	у		Fat	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	нвс	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male				200 200 200 200 200												
1980	137	77	214	1539	118	69	187	787) (3	3	15	25	149	404	234
1981	106	63	169	1453	101	60	161	783		3	4	7	204	126	334	2243
1982	103	63	166	1429	75	61	136	728	(7	7	3	178	3 131	309	216
1983	96	58	154	1515	99	50	149	774		3 2	5	13	19	3 110	308	230
1984	86	56	142	1659	83	61	144	838		3	3	6	16	120	289	250
1985	70	46	116	1689	7	41	112	951		3 2	5	11	14	89	233	265
1986	53	61	114	1584	72	2 51	123	902	*	1 7	8	14	12	119	245	250
1987	48	59	107	1595	5	42	93	983		0 6	6	10	9	107	206	258
1988	67	56	123	1865	32	35	67	900		1 3	4	9	10	94	194	277
1989	46	45	91	2259	46	39	85	992		2 0	2	5	9	4 84	178	325
Femal	le															
1980	18	6	24	596	14	3	17	355		0 0	0	1	3	2 9	41	9
1981	12	5	17	588	23	6	29	338		0 0	0	3	3	5 11	46	92
1982	16	6	22	616	,) 1	10	339		0 0	0	0	2	5 7	32	95
1983	16	4	20	642	15	6	21	322		0 0	0	5	3	1 10	41	96
1984	9	3	12	640	14	7	21	400		2 0	2	2	2	5 10	35	104
1985	14	4	18	666	1!	6	21	426		0 0	0	1	2	9 10	39	10
1986	5	9	14	710	1	5	16	464		0 1	1	7	1	5 15	31	113
1987	10	6	16	728	10) 4	14	484		0 0	0	2	2	0 10	30	12
1988	6	4	10	845		1 7	11	482		0 1	1	2	1	12	22	13
1989	9	4	13	1034		3 4	12	517		0 1	1	3	1	7 9	26	15
Total																
1980	155	83	238	2135	13	2 72	204	1142		0 3	3	16	28	7 158	445	32
1981	118	68	186	2041	12	4 66	190	1121		1 3	4	10	24	3 137	380	31
1982	119	69	188	2045	8	62	146	1067		0 7	7	3	20	3 138	341	31
1983	112	62	174	2157	114	4 56	170	1096		3 2	5	18	22	9 120	349	32
1984	95	59	154	2299	9	7 68	165	1238		2 3	5	8	19	4 130	324	35
1985	84	50	134	2355	8	6 47	133	1377		3 2	5	12	17	3 99	272	37
1986	58	70	128	2294	8	3 56	139	1366		1 8	9	21	14	2 134	276	36
1987	58	65	123	2323	6	1 46	107	1467		0 6	6	12	11	9 117	236	38
1988	73	60	133	2710	3	6 42	78	1382		1 4	5	11	11	0 106	216	41
1989	55	49	104	3293	5	4 43	97	1509		2 1	3	8	11	1 93	204	48

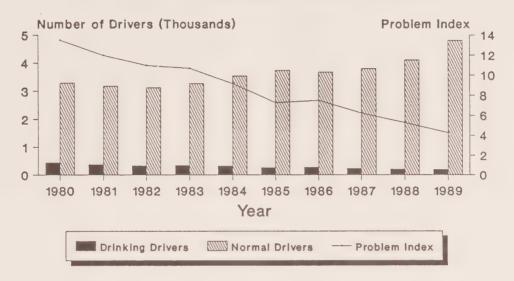
KEY: HBD -- Drivers reported by police to have been drinking

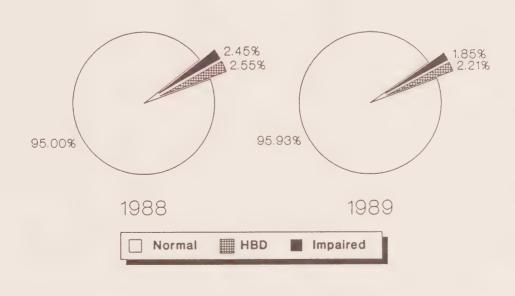
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FRONTENAC

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty	Dama	age	Pe	rsona	l Inju	ry		F	ata	al			Tot	al	
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	MP C	D/D N	OR	HBD	IMP	D/D	NOR
Male																	
1980	44	10	54	293	46	13	59	142		2	2	4	3	97	2 25	117	43
1981	42	7	49	271	36	10	46	146		4	0	4	7	82	2 17	99	42
1982	36	6	42	290	48	6	54	129		0	5	5	3	84	17	101	42
1983	37	8	45	300	41	10	51	136	饠	0	1	1	5	78	3 19	97	44
1984	39	5	44	326	28	11	39	144	鏖	0	2	2	3	6	7 18	85	47
1985	25	14	39	310	35	7	42	160		0	0	0	2	60	21	81	47
1986	29	5	34	236	17	6	23	123		1	1	2	2	4	7 12	59	36
1987	29	4	33	260	17	9	26	152		3	0	3	4	4	9 13	62	4
1988	32	6	38	345	22	9	31	143		1	0	1	1	5	5 15	70	4
1989	21	6	27	338	14	6	20	128		4	0	4	6	3:	9 12	51	4
Femal	le																
1980	4	1	5	84	3	3 1	4	42		1	0	1	0		8 2	10	1
1981	5	0	5	88	2	2 1	3	47		0	0	0	0		7 1	8	1
1982	5	0	5	76	2	2 0	2	52		0	0	0	0		7 0	7	1
1983	2	0	2	89	1	0	1	65		0	0	0	0		3 0	3	1
1984	3	0	3	104	3	3 0	3	53		0	0	0	1		6. 0	6	1
1985	3	1	4	103	4	0	4	53		0	1	1	0		7 2	9	1
1986	2	0	2	90	2	2 0	2	53		0	0	0	0		4 0	4	1
1987	0	0	0	123		5 2	. 7	68		0	1	1	0		5 3	8	1
1988	1	0	1	126) 0	0	67		0	1	1	0		1 1	2	1
1989	1	0	1	130		5 0	5	55		0	0	0	0		6 0	6	1
Total																	
1980	48	11	59	377	49	9 14	63	184		3	2	5	3	10	0 27	127	5
1981	47	7	54	359	34	3 11	49	193		4	0	4	7	8	9 18	107	5
1982	41	6	47	366	50) 6	56	181		0	5	5	3	9	1 17	108	5
1983	39	8	47	389	4:	2 10	52	201		0	1	1	5	8	1 19	100	
1984	42	5	47	430	3	1 11	42	197		0	2	2	4	7	3 18	91	
1985	28	15	43	413	39	9 7	46	213		0	1	1	2	6	7 23	90	(
1986	31	5	36	326	1!	9 6	25	176		1	1	2	2	5	12	63	
1987	29	4	33	383	2	2 11	33	220		3	1	4	-4	5	4 16	70	
1988	33	6	39	471	2	2 9	31	210		1	1	2	1	5	6 16	72	
1989	22	6	28	468	11	9 6	5 25	183		4	0	4	6	4	5 12	2 57	

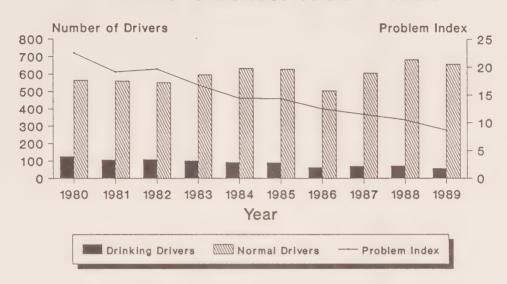
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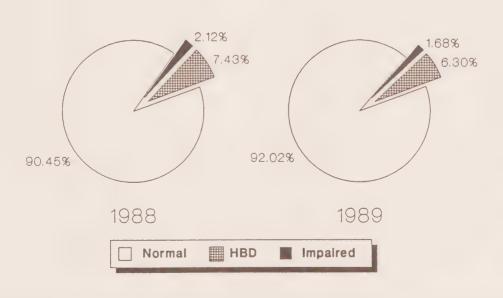
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GLENGARRY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





GRENVILLE

Drivers Involved in Traffic Crashes, 1980 - 1989

Ye	ar	Prop	erty	Dama	ige	Р	ersona	al Inju	ry		F	ata	al			Tot	al	
8	k																	
Se	ex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP D)/D N	NOR	HBD	IMP	D/D	NOR
Ma	le																	
1980		39	12	51	281		38 11	49	144		2	3	5	8	79	26	105	433
1981		22	11	33	246		37 9	46	119		1	0	1	8	60	20	80	373
1982		33	13	46	247		31 16	47	109		1	3	4	3	65	32	97	359
1983		32	11	43	312		33 10	43	134		1	2	3	8	66	23	89	454
1984		21	8	29	293		33 12	45	139		0	2	2	3	54	22	76	435
1985		33	8	41	315		31 8	39	158		1	2	3	10	65	18	83	483
1986		33	3	36	258		27 8	35	129		1	0	1	4	61	11	72	391
1987		19	11	30	297		24 3	27	146		0	3	3	7	43	17	60	450
1988		31	9	40	337		17 10	27	142		0	2	2	11	48	21	69	490
1989		13	13	26	428		18 8	3 26	189		0	0	0	4	31	21	52	621
Fe	mal	е																
1980		4	3	7	102		1 0) 1	62		0	0	0	1	5	3	8	165
1981		3	1	4	91		5 (5	44		0	1	1	1	8	2	10	136
1982		4	2	6	102		3 2	2 5	44		0	0	0	1	7	4	11	147
1983		4	2	6	134		8 1	9	59		0	0	0	1	12	3	15	194
1984		4	0	4	120		3 1	4	64		0	0	0	2	7	1	8	186
1985		5	0	5	133		13 (13	71		0	0	0	2	18	0	18	206
1986		2	0	2	110		5 (5	66		0	0	0	o	7	0	7	176
1987		1	1	2	114		2 () 2	92		1	0	1	2	4	1	5	208
1988		3	0	3	179		1 () 1	59	1	1	0	1	0	5	0	5	238
1989		2	0	2	196		1 () 1	99		0	0	0	1	3	0	3	296
То	tal																	
1980		43	15	58	383		39 11	50	206		2	3	5	9	84	29	113	598
1981		25	12	37	337		42 9	51	163		1	-1	2	9	68	22	90	509
1982		37	15	52	349		34 18	3 52	153		1	3	4	4	72	36	108	506
1983	3	36	13	49	446		41 11	52	193		1	2	3	9	78	26	104	648
1984		25	8	33	413		36 13	3 49	203		0	2	2	5	61	23	84	621
1985	5	38	8	46	448		44 8	3 52	229		1	2	3	12	83	18	101	689
1986	5	35	3	38	368		32 8	3 40	195		1	0	1	4	68	11	79	567
1987	,	20	12	32	411		26 :	3 29	238		1	3	4	9	47	18	65	658
1988	3	34	9	43	516		18 10	28	201		1	2	3	11	53	21	74	728
1989)	15	13	28	624		19 8	3 27	288	3	0	0	0	5	34	21	55	917

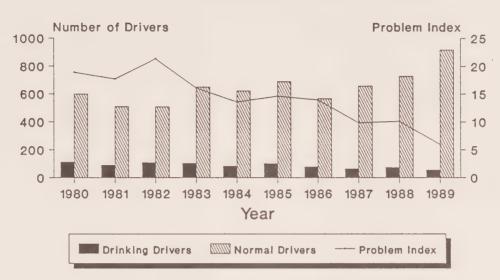
KEY: HBD -- Drivers reported by police to have been drinking

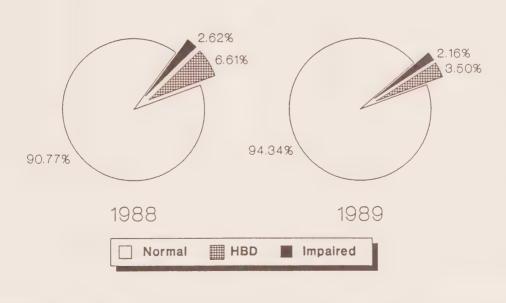
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GRENVILLE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





GREY

Year	Prop	erty	Dama	ige	Pe	ersona	l Injui	ry	F	ata	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	AP I	D/D I	NOR	HBD	IMP	D/D	NOR
Male																
1980	88	43	131	867	9	9 38	137	461	4	0	4	7	191	81	272	1335
1981	110	40	150	853	9	5 27	123	428	3	1	4	12	209	68	277	1293
1982	80	31	111	840	7	3 25	98	379	3	4	7	5	156	60	216	1224
1983	80	38	118	756	9	6 28	124	381	3	5	8	8	179	71	250	1145
1984	69	40	109	823	9	3 22	115	362	1	7	8	6	163	69	232	1191
1985	51	28	79	813	7	6 29	105	437	4	2	6	15	131	59	190	1265
1986	43	17	60	691	7	8 27	105	397	2	5	7	5	123	49	172	1093
1987	56	20	76	833	6	6 28	94	502	2	0	2	11	124	48	172	1346
1988	54	28	82	895	4	2 22	64	426	1	5	6	7	97	55	152	1328
1989	37	25	62	993	5	0 23	73	525	11	1	12	20	98	49	147	1538
Femal	le															
1980	4	0	4	349	1	7 4	21	194	0	1	1	8	21	5	26	551
1981	9	3	12	319	1	4 1	15	195	0	1	1	2	23	5	28	516
1982	8	0	8	329		8 1	9	168	0	0	0	1	16	1	17	498
1983	7	3	10	264		9 1	10	155	0	0	0	4	16	4	20	423
1984	8	3	11	387	1	6 1	17	203	0	0	0	5	24	4	28	595
1985	4	4	8	331		5 1	6	228	0	1	1	1	9	6	15	560
1986	3	5	8	336		4 3	7	173	1	0	1	3	8	8	16	512
1987	3	6	9	437	1	4 3	17	221	0	1	1	2	17	10	27	660
1988	6	2	8	448		6 1	7	254	1	0	1	8	13	3	16	710
1989	2	1	3	504		6 3	9	260	0	0	0	4	8	4	12	768
Total																
1980	92	43	135	1216	11	6 42	158	655	4	1	5	15	212	86	298	1886
1981	119	43	162	1172	11	0 28	138	623	3	2	5	14	232	73	305	1809
1982	88	31	119	1169	8	1 26	107	547	3	4	7	6	172	61	233	1722
1983	87	41	128	1020	10	5 29	134	536	3	5	8	12	195	75	270	1568
1984	77	43	120	1210	10	9 23	132	565	1	7	8	11	187	73	260	1786
1985	55	32	87	1144	8	1 30	111	665	4	3	7	16	140	65	205	1825
1986	46	22	68	1027	8	2 30	112	570	3	5	8	8	131	57	188	160
1987	59	26	85	1270	8	0 31	111	723	2	1	3	13	141	58	199	2006
1988	60	30	90	1343	4	8 23	71	680	2	5	7	15	110	58	168	2038
1989	39	26	65	1497	5	6 26	82	785	11	1	12	24	106	53	159	2306

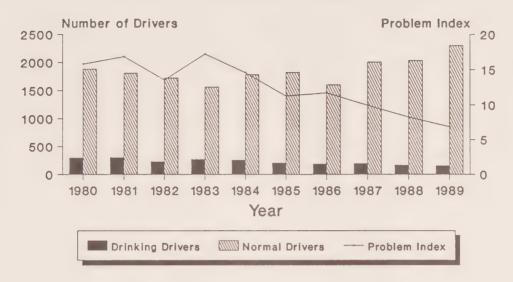
KEY: HBD -- Drivers reported by police to have been drinking

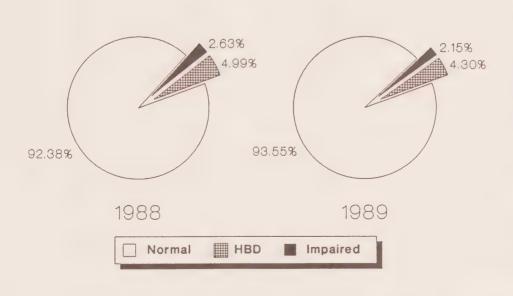
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GREY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

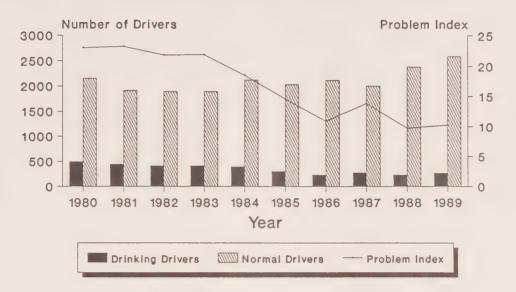
Year	Prop	erty	Dama	age	Per	sona	l Injui	у		ata	al			To	tal	
8.																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP [D/D N	NOR	HBD	IMP	D/D	NOR
Male																
1980	155	49	204	956	173	46	219	533	10	5	15	14	33	3 100	438	1503
1981	151	51	202	869	180	25	205	480	0	3	3	15	33	1 79	410	1364
1982	142	36	178	866	156	32	188	480	6	6	12	10	30	4 74	378	1356
1983	113	43	156	814	166	36	202	492	4	10	14	10	28	3 89	372	1316
1984	118	38	156	906	163	24	187	527	8	6	14	21	28	9 68	357	1454
1985	77	35	112	909	114	25	139	473	4	6	10	17	19	5 66	261	1399
1986	68	21	89	915	79	36	115	509	3	2	5	12	15	59	209	1436
1987	80	27	107	777	91	30	121	526	5	7	12	15	17	6 64	240	1318
1988	67	24	91	1000	70	39	109	535	3	4	7	13	14	0 67	207	1548
1989	76	34	110	1182	74	38	112	500	7	2	9	14	15	7 74	231	1696
Femal	е															
1980	11	4	15	406	32	6	38	238	2	1	3	4	4	5 11	56	648
1981	9	4	13	342	18	3	21	207	ō	0	0	3	2	7 7	34	552
1982	15	4	19	307	11	3	14	223	1	0	1	4	2	7 7	34	534
1983	16	1	17	345	21	1	22	223	1	1	2	6	3	8 3	41	574
1984	15	3	18	410	14	2	16	253	1	0	1	5	3	0 5	35	668
1985	15	3	18	390	15	2	17	241	Ø	0	0	2	3	0 5	35	63
1986	5	3	8	393	11	3	12	277	Ю	1	1	7	1	6 5	21	67
1987	13	. 1	14	386	20	2	22	293	10	0	0	3	3	3 3	36	68
1988	7	4	11	559	10	3	13	270	1	0	1	4	1	8 7	25	83
1989	8	5	13	598	15	6	21	284	0	0	0	7	2	3 11	34	88
Total			,													
1980	166	53	219	1362	205	52	257	771	12	6	18	18	38	3 111	494	215
1981	160	55	215	1211	198	28	226	687	0	3	3	18	35	8 86	444	191
1982	157	40	197	1173	167	35	202	703	7	6	13	14	33	1 81	412	189
1983	129	44	173	1159	187	37	224	715	5	11	16	16	32	1 92	413	189
1984	133	41	174	1316	177	26	203	780	9	6	15	26	31			212
1985	92	38	130	1299	129	27	156	714	4	6	10	19	22	5 71	296	203
1986	73	24		1308	90	37		786	3	3	6	19	16		230	211
1987	93	28		1163	111	32		819	5	7	12	18	20	9 67	276	200
1988	74	28		1559	80	42		805	4	4	8	17	15	8 74	232	238
1989	84	39		1780	89	44			7	2	9	21	18	0 85	265	2585

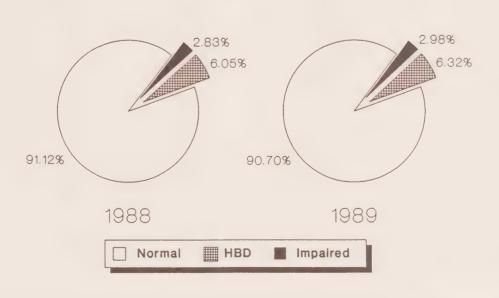
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALDIMAND-NORFOLK REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





HALIBURTON

Drivers Involved in Traffic Crashes, 1980 - 1989

	Year	Prop	erty	Dama	ige	Pe	rsona	l Injur	у		F	ata	ıl			Tot	al	
	&																	
	Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	IP D	D N	OR	HBD	IMP	D/D	NOR
	Male																	
1	1980	27	5	32	210	30	6	36	101		5	3	8	5	62	2 14	76	316
1	1981	34	10	44	181	36	12	48	83		0	1	1	0	70	23	93	264
1	1982	25	4	29	185	34	10	44	101		0	0	0	2	59	14	73	288
1	1983	34	8	42	179	25	4	29	92		0	2	2	2	59	14	73	273
1	1984	20	6	26	202	33	6	39	85		1	1	2	2	54	13	67	289
1	1985	20	4	24	191	21	8	29	78		2	1	3	3	4	3 13	56	272
	1986	18	4	22	167	24	5	29	94		2	1	3	1	4	1 10	54	262
	1987	29	4	33	214	12	6	18	99		2	1	3	1	4:	3 11	54	314
1	1988	21	7	28	289	34	5	39	89		2	2	4	7	5	7 14	71	385
	1989	18	8	26	279	13	4	17	143	▓.	2	0	2	3	3:	3 12	45	425
	Fema	le																
	1980	4	0	4	55	3	0	3	44		1	0	1	0		3 0		99
	1981	6	2	8	49	3	1	4	43		C	0	0	2		9 3	12	94
	1982	2	0	2	65	2	2	4	45		0	1	1	1		4 3	7	111
	1983	2	0	2	62	6	1	7	37		0	0	0	1		B 1	9	100
	1984	3	1	4	75	5	2	7	34		1	0	1	0		9 3	12	109
	1985	2	0	2	60	5	0	5	49		1	0	1	1		в о	8	110
	1986	Ø	1	1	60	3	0	3	41		0	0	0	0		3 1	4	101
	1987	2	0	2	67	5	0	5	41		0	0	0	1	<u> </u>	7 0		109
	1988	2	0	2	105	2	0	2	56		0	1	1	1		4 1	5	162
	1989	2	2	4	143	4	0	4	60		0	0	0	2		6 2	8	205
	Total	1																
	1980	31	5	36	265	33	6	39	145		6	3	9	5	7	0 14	84	415
	1981	40	12	52	230	39	13	52	126		0	1	1	2	7	9 26	105	358
	1982	27	4	31	250	36	12	48	146		0	1	1	3	6	3 17	80	399
	1983	36	8	44	241	31	5	36	129		0	2	2	3	6	7 15	82	373
	1984	23	7	30	277	38	8	46	119		2	1	3	2	6	3 16		398
	1985	22	4	26	251	26	8	34	127		3	1	4	4	5	1 13	64	382
	1986	18	5	23	227	27	5	32	135		2	1	3	1	4	7 11	58	363
	1987	31	4	35	281	17	6	23	140		2	1	3	2	5	0 11	61	423
	1988	23	7	30	394	36	5 5	41			2	3	5	8	6	1 15	76	547
	1989	20	10	30	422	17	7 4	21	203		2	0	2	5	3	9 14	53	630

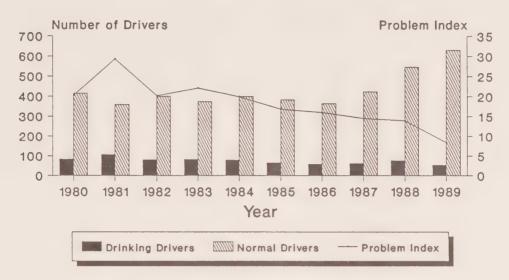
KEY: HBD -- Drivers reported by police to have been drinking

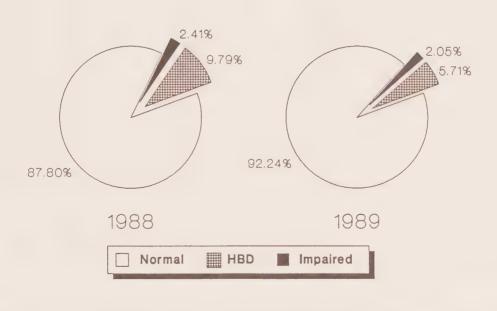
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HALIBURTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





HALTON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

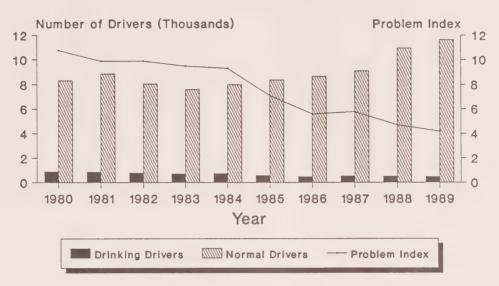
Y	ear	Prop	erty	Dama	age	Per	sona	l Injui	y		Fat	al			004000000000000000000000000000000000000	Tot	al	
	B.																	
S	ex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP	D/D	NOR	۲	HBD	IMP	D/D	NOR
Ma	ale																	
198	0	260	116	376	3922	296	113	409	1974	10	11	21	28		566	240	806	5924
198	1	262	142	404	3929	259	103	362	2314	7	9	16	19		528	254	782	6262
198	2	236	111	347	3718	274	94	368	1883	4	6	10	19		514	211	725	5620
198	3	216	96	312	3278	202	96	298	1855	6	11	17	22		424	203	627	5155
198	4	230	116	346	3491	189	106	295	2020	4	12	16	32		423	234	657	5543
198	5	178	74	252	3694	161	92	253	2030	7	8	15	15		346	174	520	5739
198	6	112	91	203	3525	114	85	199	2343	6	9	15	25		232	185	417	5893
198	7	108	96	204	3793	127	124	251	2270	.7	8	15	30	_	242	228	470	6093
198	8	129	95	224	5052	127	84	211	2267	8	10	18	22		264	189	453	7341
198	9	125	110	235	5567	102	84	186	2138	7	3	10	29	_	234	197	431	7734
Fe	emal	е																
198	Ю	25	11	36	1506	36	13	49	855	1	0	1	6		62	24	86	2367
198	31	34	10	44	1600	36	12	48	983	1	0	1	5		71	22	93	2588
198	12	26	5	31	1562	30	8	38	845	0	0	0	2		56	13	69	2409
198	13	36	10	46	1487	38	6	44	927	0	0	0	5		74	16	90	2419
198	14	32	11	43	1529	30	9	39	886	1	0	1	8		63	20	83	2423
198	15	29	13	42	1608	25	5	30	1016	1	0	1	3		55	18	73	2627
198	6	19	4	23	1612	27	15	42	1134	1	0	1	7		47	19	66	2753
198	37	16	9	25	1805	21	9	30	1170	0	0	0	8		37	18	55	2983
198	18	22	10	32	2402	19	8	27	1176	0	0	0	4		41	18	59	3582
198	19	13	15	28	2705	18	8	26	1183	0	1	1	10		31	24	55	3898
To	otal																	
198	30	285	127	412	5428	332	126	458	2829	11	11	22	34		628	264	892	8291
198	31	296	152	448	5529	295	115	410	3297	8	9	17	24		599	276	875	8850
198	32	262	116	378	5280	304	102	406	2728	4	6	10	21		570	224	794	8029
198	33	252	106	358	4765	240	102	342	2782	6	11	17	27		498	219	717	7574
198	34	262	127	389	5020	219	115	334	2906	5	12	17	40		486	254	740	7966
198	35	207	87	294	5302	186	97	283	3046	8	8	16	18		401	192	593	8366
198	36	131	95	226	5137	141	100	241	3477	7	9	16	32		279	204	483	8646
198	37	124	105	229	5598	148	133	281	3440	7	8	15	38		279	246	525	9076
198	38	151	105	256	7454	146	92	238	3443	8	10	18	26		305	207	512	10923
198	39	138	125	263	8272	120	92	212	3321	7	4	-11	39		265	221	486	11632

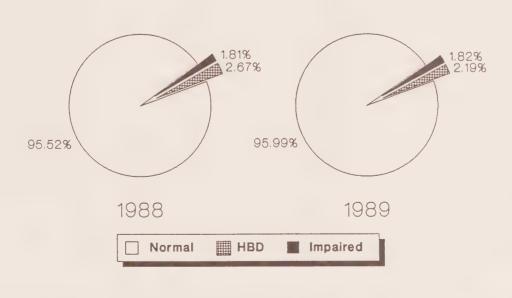
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D/D – Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALTON REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





HAMILTON-WENTWORTH REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

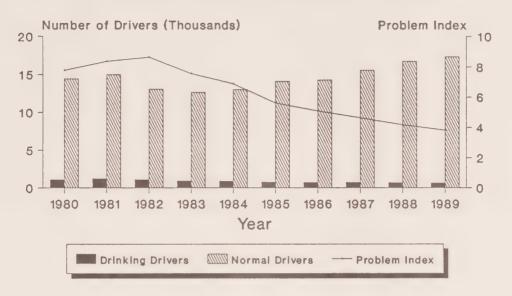
Year	Prop	erty	Dama	ige	Per	sona	I Injui	у			Fat	al				Tot	al	
&																		714
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD 1	MP	D/D	NOR		HBD	IMP	D/D	NOR
Male																		
1980	307	191	498	6658	350	168	518	4219		10	12	22	39	(A)	667	371	1038	109
1981	313	231	544	6902	394	178	572	4334		10	6	16	34		717	415	1132	112
1982	307	197	504	5991	335	158	493	3673		5	11	16	32		647	366	1013	96
1983	251	150	401	5639	316	128	444	3609		5	9	14	22		572	287	859	92
1984	252	163	415	5742	236	137	373	3682		7	9	16	36		495	309	804	94
1985	181	141	322	5788	228	155	383	4343		5	10	15	32		414	306	720	101
1986	160	130	290	5549	175	175	350	4511		5	7	12	37		340	312	652	100
1987	160	130	290	5967	173	160	333	4992		7	12	19	39		340	302	642	109
1988	185	145	330	7429	150	117	267	4271		9	4	13	38		344	266	610	111
1989	190	136	326	7519	130	128	258	4439		5	5	10	35		325	269	594	119
Femal	е																	
1980	26	9	35	2071	34	10	44	1402		1	0	1	9		61	19	80	3
1981	27	16	43	2146	58	14	72	1517		0	1	1	4		85	31	116	3
1982	45	19	64	1969	34	13	47	1355		1	0	1	7		80	32	112	3
1983	28	7	35	1974	42	13	55	1352		0	1	1	8		70	21	91	3
1984	19	22	41	2143	27	19	46	1384		0	1	1	7		46	42	88	3
1985	13	11	24	2206	25	18	43	1687		1	0	1	4		39	29	68	3
1986	26	10	36	2229	19	16	35	1904		0	0	0	13		45	26	71	4
1987	25	9	34	2333	28	12	40	2183		0	2	2	5		53	23	76	4
1988	27	24	51	3021	22	10	32	1953		0	1	1	9		49	35	84	4
1989	21	16	37	3220	10	15	25	2094		0	1	1	8		31	32	63	53
Total																		
1980	333	200	533	8729	384	178	562	5621		11	12	23	48		728	390	1118	14
1981	340	247	587	9048	452	192	644	5851		10	7	17	38		802	446	1248	14
1982	352	216	568	7960	369	171	540	5028		6	11	17	39		727	398	1125	13
1983	279	157	436	7613	358	141	499	4961		5	10	15	30		642	308	950	12
1984	271	185	456	7885	263	156	419	5066		7	10	17	43		541	351	892	12
1985	194	152	346	7994	253	173	426	6030		6	10	16	36		453	335	788	14
1986	186	140	326	7778	194	191	385	6415		5	7	12	50		385	338	723	14
1987	185	139	324	8300	201	172	373	7175		7	14	21	44		393	325	718	15
1988	212	169	381	10450	172	127	299	6224		9	5	14	47		393	301	694	16
1989	211	152	363	10739	140	143	283	6533	888	5	6	11	43		356	301	657	17

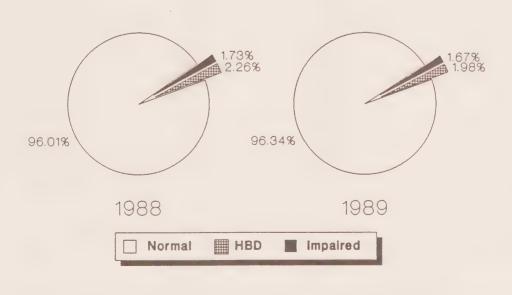
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HAMILTON-WENTWORTH REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty	Dama	ige	Pe	rsona	l Inju	ry		F	ata	al			Tot	al	
&																	eed Voles A.C. T. Lijk is over die St.
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HE	BD IM	P C	D/D 1	NOR	HBD	IMP	D/D	NOR
Male																	
1980	164	53	217	1563	15	61	218	705		5	7	12	17	32	5 121	447	2285
1981	145	81	226	1526	12	49	170	692		5	7	12	16	27	1 137	408	223
1982	165	84	249	1471	13	62	194	599		6	5	11	25	30	3 151	454	209
1983	106	62	168	1354	104	67	171	673		4	6	10	12	21	4 135	349	203
1984	114	70	184	1432	100	53	153	716		5	9	14	17	21	9 132	351	216
1985	77	43	120	1413	104	53	157	797		8	6	14	9	18	9 102	291	221
1986	58	43	101	1395	74	41	115	702		4	5	9	12	13	6 89	225	210
1987	79	32	111	1337	74	47	121	745	▓	1	9	10	19	15	4 88	242	210
1988	83	44	127	1679	56	42	98	737		4	1	5	12	14	3 87	230	242
1989	83	55	138	1941	5	40	97	739		3	5	8	14	14	3 100	243	269
Fema	le			9990000													
1980	21	9	30	540	15	5	24	301		0	0	0	7	4	0 14	54	84
1981	12	5	17	567	19	3	22	293		1	0	1	5	3	2 8	40	86
1982	13	4	17	563	1	7 4	21	259		0	0	0	4	3	8 C	38	82
1983	25	5	30	565	1:	3	16	281		2	0	2	4	4	8 C	48	85
1984	15	5	20	654	1	3	14	296		2	1	3	7	2	8 9	37	95
1985	11	6	17	669	19	9 9	28	365		1	0	1	8	3	1 15	46	104
1986	12	1	13	643	10) 4	14	372		0	1	1	3	2	2 6	28	101
1987	5	4	9	644	12	2 2	14	446	▓	1	0	1	3	1	8 6	24	109
1988	13	5	18	810	1	2	13	403		0	0	0	2	2	4 7	31	121
1989	10	8	18	984		7 7	14	385		1	1	2	9	1	8 16	34	137
Total																	
1980	185	62	247	2103	17	66	242	1006		5	7	12	24	36	6 135	501	313
1981	157	86	243	2093	14	52	192	985		6	7	13	21	30	3 145	448	309
1982	178	88	266	2034	14	66	215	858		6	5	11	29	33	3 159	492	292
1983	131	67	198	1919	11	7 70	187	954		6	6	12	16	25	4 143	397	288
1984	129	75	204	2086	11	56	167	1012		7	10	17	24	24	7 141	388	312
1985	88	49	137	2082	12	3 62	185	1162		9	6	15	17	22	0 117	337	32
1986	70	44	114	2038	8	45	129	1074		4	6	10	15	15	8 95	253	31
1987	84	36	120	1981	8	6 49	135	1191		2	9	11	22	17	2 94	266	31
1988	96	49	145	2489	6	7 44	111	1140		4	1	5	14	16	7 94	261	36
1989	93	63	156	2925	6	47	111	1124		4	6	10	23	16	1 116	277	40

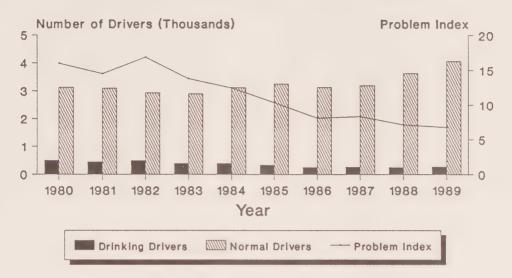
KEY: HBD -- Drivers reported by police to have been drinking

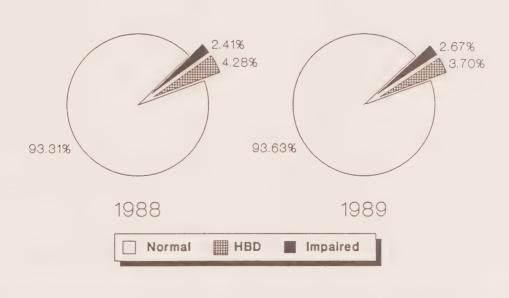
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HASTINGS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





HURON

Year	Prop	erty	Dama	age	Per	sona	l Injui	ry	F	ata	al			Tot	al	
8																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	AP D)/D N	IOR	HBD	IMP	D/D	NOR
Male																
1980	111	10	121	693	105	10	115	264	5	1	6	6	221	21	242	96
1981	97	17	114	650	102	7	109	315	3	2	5	9	202	26	228	9
1982	111	17	128	597	84	9	93	252	4	2	6	15	199	28	227	8
1983	92	14	106	571	101	14	115	245	2	6	8	5	195	34	229	8
1984	77	9	86	584	87	13	100	235	4	5	9	8	168	3 27	195	8
1985	75	15	90	572	70	12	82	288	1	4	5	7	146	31	177	8
1986	46	16	62	491	49	17	66	238	1	5	6	6	96	38	134	7
1987	47	14	61	452	42	13	55	291	0	1	1	8	89	28	117	7
1988	45	9	54	528	42	14	56	222	2	4	6	4	89	27	116	7
1989	34	7	41	583	22	7	29	251	1	1	2	8	57	15	72	8
Fema	le															
1980	16	1	17	235	10	0	10	120	1	0	1	3	2	7 1	28	3
1981	9	1	10	230	9	0	9	111	0	0	0	0	18	3 1	19	(
1982	11	1	12	229	6	0	6	94	1	1	2	3	11	3 2	20	;
1983	7	0	7	223	9	2	11	112	0	0	0	3	10	5 2	18	(
1984	7	2	9	254	9	1	10	114	0	2	2	6	1	5 5	21	;
1985	10	1	11	256	11	0	11	140	0	1	1	2	2	1 2	23	
1986	4	1	5	253	5	3	8	157	0	0	0	5		9 4	13	
1987	3	4	7	235	2	0	2	164	0	1	1	4		5 5	10	
1988	3	1	4	298	5	0	5	154	0	0	0	2		3 1	9	
1989	5	2	7	291	7	0	7	154	10	0	0	3	1:	2 2	14	
Total																
1980	127	11	138	928	115	10	125	384	6	1	7	9	24	8 22	270	1
1981	106	18	124	880	111	7	118	426	3	2	5	9	22	0 27	247	1
1982	122	18	140	826	90	9	99	346	5	3	8	18	21	7 30	247	1
1983	99	14	113	794	110	16	126	357	2	6	8	8	21	1 36	247	1
1984	84	11	95	838	96	14	110	349	4	7	11	14	18	4 32	216	1
1985	85	16	101	828	81	12	93	428	1	5	6	9	16	7 33	200	1
1986	50	17	67	744	54	20	74	395	1	5	6	11	10	5 42	147	1
1987	50	18	68	687	44	13	57	455	0	2	2	12	9	4 33	127	1
1988	48	10	58	826	47	14	61	376	2	4	6	6	9	7 28	125	1
1989	39	9	48	874	29	7	36	405	1	1	2	11	6	9 17	86	1

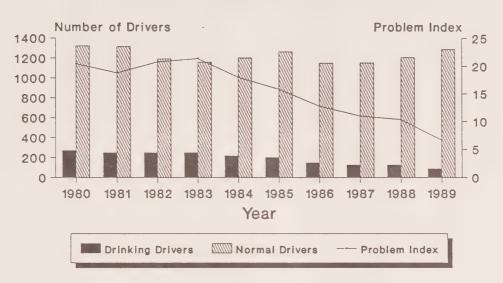
KEY: HBD -- Drivers reported by police to have been drinking

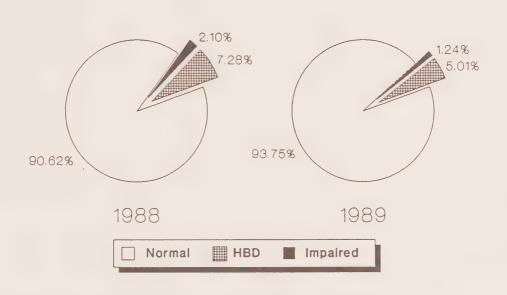
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HURON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





KENORA

Year	Prop	perty	Dama	ige		Per	sona	Inju	у	F	ata	al			To	al	
&					,-												
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	HBD IN	1P [D/D N	IOR	HBD	IMP	D/D	NOR
Male																	
1980	101	47	148	840		78	43	121	378	4	6	10	21	183	96	279	1239
1981	131	42	173	855		65	42	107	337	3	4	7	20	199	88	287	1212
1982	90	40	130	779		56	29	85	250	0	2	2	9	14	71	217	1038
1983	76	42	118	711		53	35	88	234	0	3	3	11	12	80	209	956
1984	74	37	111	846		65	32	97	288	0	2	2	12	139	71	210	1146
1985	48	22	70	746		35	32	67	334	3	5	8	9	84	5 59	145	1089
1986	42	31	73	725		36	22	58	307	2	2	4	13	8	55	135	1045
1987	41	26	67	652		49	18	67	336	3	4	7	14	9:	3 48	141	1002
1988	38	20	58	898		24	12	36	284	2	3	5	9	6	35	99	1191
1989	33	17	50	1001		21	19	40	258	3	1	4	14	5	7 37	94	1273
Fema	le																
1980	12	6	18	230		8	2	10	123	0	1	1	3	2	9	29	356
1981	14	3	17	229		11	2	13	113	0	0	0	2	2	5 5	30	344
1982	8	7	15	194		7	4	11	108	0	0	0	1	1	5 11	26	303
1983	11	7	18	203		6	7	13	99	0	1	1	2	1	7 15	32	304
1984	7	4	11	246		3	2	5	117	1	1	2	0	1	1 7	18	363
1985	9	5	14	233		10	2	12	94	0	1	1	2	1	9 8	27	329
1986	5	2	7	230		6	3	9	128	0	1	1	0	1	1 6	17	358
1987	7	8	15	217		8	4	12	147	0	0	0	1	1	5 12	27	365
1988	11	7	18	336		2	6	8	126	1	0	1	0	1	4 13	27	462
1989	4	4	8	351		5	3	8	101	0	0	0	4		9 7	16	456
Total	,																
1980	113	53	166	1070		86	45	131	501	4	7	11	24	20	3 105	308	1595
1981	145	45	190	1084		76	44	120	450	3	4	7	22	22	4 93	317	1556
1982	98	47	145	973		63	33	96	358	0	2	2	10	16	1 82	243	1341
1983	87	49	136	914		59	42	101	333	0	4	4	13	14	6 95	241	1260
1984	81	41	122	1092		68	34	102	405	1	3	4	12	15	D 78	228	1509
1985	57	27	84	979		45	34	79	428	3	6	9	11	10	5 67	172	1418
1986	47	33	80	955		42	25	67	435	2	3	5	13	9	1 61	152	1403
1987	48	34	82	869		57	22	79	483	3	4	7	15	10	8 60	168	1367
1988	49	27	76	1234		26	18	44	410	3	3	6	9	7	8 48	126	1653
1989	37	21	58	1352		26	22	48	359	3	1	4	18	6	6 44	110	1729

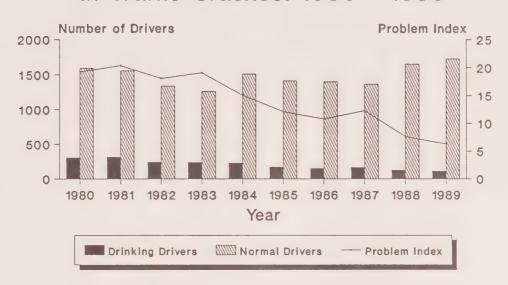
KEY: HBD -- Drivers reported by police to have been drinking

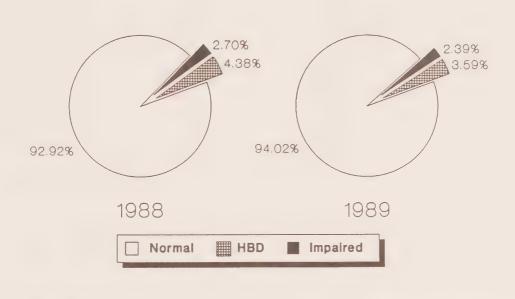
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

KENORA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





KENT

	Year	Prop	erty	Dama	ige	Pe	rsona	l Injui	у	**********	Fata	al			Tot	al	
	&																
	Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR
	Male																
	1980	148	53	201	1304	15	9 40	199	733	5	1	6	11	312	94	406	2048
	1981	158	55	213	1234	13	28	162	659	0	11	11	11	292	94	386	1904
	1982	117	46	163	1228	15	44	198	593	2	4	6	7	273	94	367	1828
	1983	81	54	135	1160	12	36	162	682	2	8	10	6	209	98	307	1848
	1984	88	41	129	1297	12	3 35	163	721	4	8	12	9	220	84	304	2027
	1985	67	37	104	1318	9	3 48	146	835	3	4	7	17	168	89	257	2170
	1986	55	31	86	1217	7	33	108	755	2	5	7	8	132	69	201	1980
	1987	73	27	100	1155	8	39	127	802	4	3	7	10	165	69	234	1967
	1988	62	32	94	1224	6	2 32	94	658	4	4	8	11	128	68	196	1893
	1989	56	34	90	1369	4	38	87	654	1	0	1	6	106	72	178	2029
	Femal	е															
	1980	13	2	15	562	1	7 3	20	331	3	0	3	7	33	5	38	900
	1981	16	4	20	543	1	9 1	20	326	1	3	4	4	36	8	44	873
	1982	7	5	12	519	2	4 4	28	280	Ö	3	3	2	31	12	43	801
	1983	8	3	11	524	1	3 3	16	284	1	0	1	5	22	6	28	813
	1984	15	4	19	583	1	2 5	17	333	Ø	0	O	2	27	9	36	918
	1985	16	6	22	526	1	7 3	20	426	0	0	O	4	33	9	42	956
	1986	7	4	11	565		7 1	8	391	0	0	0	4	14	5	19	960
	1987	9	6	15	600	1	3 5	18	423	11	0	7	5	23	11	34	1028
	1988	9	4	13	631	1	3	13	367	11	0	0	3	20	7	27	1001
	1989	8	7	15	795	1) 1	11	389	0	1	1	4	18	9	27	1188
	Total																
	1980	161	55	216	1866	17	6 43	219	1064	8	1	9	18	345	99	444	2948
	1981	174	59	233	1777	15	3 29	182	985	1	14	15	15	328	102	430	2777
	1982	124	51	175	1747	17	3 48	226	873	2	7	9	9	304	106	410	2629
	1983	89	57	146	1684	13	39	178	966	3	8	11	11	231	104	335	2661
	1984	103	45	148	1880	14	0 40	180	1054	4	8	12	11	247	93	340	2945
	1985	83	43	126	1844	11	5 51	166	1261	3	4	7	21	201	98	299	3126
	1986	62	35	97	1782	8	2 34	116	1146	2	5	7	12	146	74	220	2940
	1987	82	33	115	1755	10	1 44	145	1225	5	3	8	15	188	80	268	2995
	1988	71	36	107	1855	7	2 35	107	1025	5	4	9	14	148	75	223	2894
33	1989	64	41	105	2164	5	9 39	98	1043	1	1	2	10	124	81	205	3217

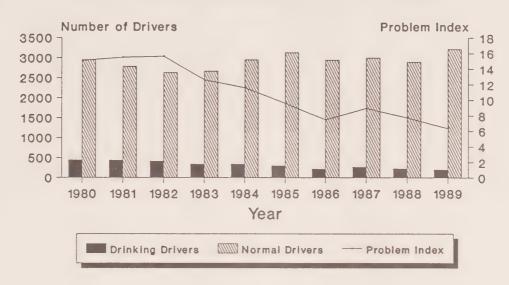
KEY: HBD -- Drivers reported by police to have been drinking

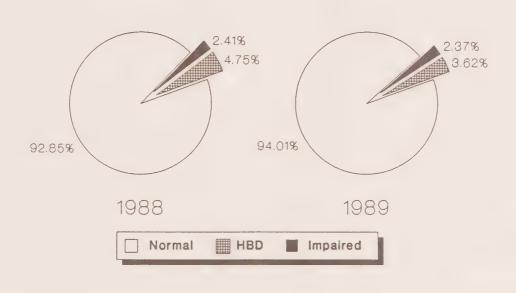
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

KENT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





LAMBTON

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	perty	Dama	age	Per	sona	000000000000000000000000000000000000000	Fat	al			Total					
&													ı				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP	D/D N	NOR		HBD	IMP	D/D	NOR
Male																	
1980	179	74	253	1717	196	55	251	810	6	12	18	11		381	141	522	253
1981	181	66	247	1828	209	46	255	800	4	8	12	16		394	120	514	264
1982	205	70	275	1699	189	58	247	784	4	3	7	15		398	131	529	249
1983	204	58	262	1575	193	38	231	780	5	7	12	16		402	103	505	237
1984	164	49	213	1598	184	48	232	713	1	5	6	7		349	102	451	231
1985	101	45	146	1461	146	45	191	805	2	0	2	12		249	90	339	227
1986	91	25	116	1319	116	44	160	769	2	3	5	12		209	72	281	210
1987	95	43	138	1284	106	27	133	702	2	5	7	7		203	75	278	199
1988	84	36	120	1502	76	23	99	638	0	3	3	14		160	62	222	215
1989	89	28	117	1527	61	24	85	630	1	5	6	8		151	57	208	216
Femal	е																
1980	14	6	20	688	29	3	32	377	0	0	0	1		43	9	52	106
1981	27	7	34	814	24	5	29	369	10	2	2	5		51	14	65	118
1982	28	3	31	771	32	4	36	425	1	- 1	2	5		61	8	69	120
1983	26	10	36	769	32	6	38	367	0	0	0	3		58	16	74	113
1984	32	7	39	782	25	4	29	381	O	1	1	2		57	12	69	116
1985	22	4	26	755	24	2	26	391	0	0	0	0		46	6	52	114
1986	14	6	20	688	18	6	24	446	0	- 1	1	8		32	13	45	114
1987	17	6	23	663	19	6	25	453	Ø	0	0	8		36	12	48	112
1988	13	7	20	919	12	4	16	415	0	0	0	3		25	11	36	133
1989	16	3	19	934	16	5	21	353	0	1	1	1		32	9	41	128
Total																	
1980	193	80	273	2405	225	58	283	1187	6	12	18	12		424	150	574	360
1981	208	73	281	2642	233	51	284	1169	4	10	14	21		445	134	579	383
1982	233	73	306	2470	221	62	283	1209	5	4	9	20		459	139	598	369
1983	230	68	298	2344	225	44	269	1147	5	7	12	19		460	119	579	35
1984	196	56	252	2380	209	52	261	1094	1	6	7	9		406	114	520	34
1985	123	49	172	2216	170	47	217	1196	2	0	2	12		295	96	391	34:
1986	105	31	136	2007	134	50	184	1215	2	4	6	20		241	85	326	32
1987	112	49	161	1947	125	33	158	1155	2	5	7	15		239	87	326	31
1988	97	43	140	2421	88	27	115	1053	0	3	3	17		185	73	258	349
1989	105	31	136	2461	77	29	106	983	1	6	7	9		183	66	249	345

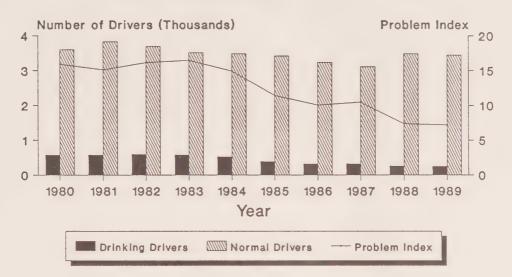
KEY: HBD -- Drivers reported by police to have been drinking

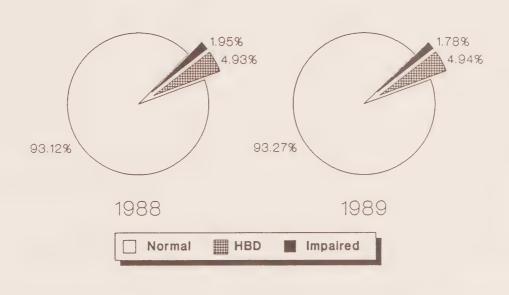
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LAMBTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





LANARK

Year	Prop	erty	Dama	ige		Per	sona	l Injui	ry	F	ata	al			Total				
& Sex	HBD	IMP	D/D	NOR	F	1BD	IMP	D/D	NOR	HBD IM	1P C)/D N	NOR	HBD	IMP	D/D	NOR		
Male																			
1980	55	36	91	631		65	26	91	266	3	3	6	8	123	65	188	905		
1981	54	33	87	549		68	29	97	256	3	1	4	10	125	63	188	815		
1982	78	24	102	565		76	23	99	242	1	1	2	3	155	48	203	810		
1983	50	26	76	670		58	17	75	296	0	5	5	8	108	48	156	974		
1984	48	17	65	613		51	26	77	282	3	2	5	7	102	45	147	902		
1985	48	21	69	658		42	21	63	318	1	0	1	8	91	42	133	984		
1986	42	14	56	626		41	11	52	315	3	2	5	7	86	27	113	948		
1987	38	19	57	621		43	27	70	305	0	1	1	8	81	47	128	934		
1988	27	14	41	654		43	12	55	287	2	2	4	9	72	28	100	950		
1989	28	11	39	710		34	11	45	340	5	3	8	12	67	25	92	1062		
Femal	le																		
1980	7	3	10	247		10	1	11	114	0	1	1	2	17	5	22	363		
1981	4	3	7	236		9	2	11	118	0	0	0	0	13	5	18	354		
1982	3	3	6	210		10	2	12	104	0	0	0	2	13	5	18	316		
1983	4	0	4	276		6	1	7	113	0	0	0	2	10	1	11	391		
1984	4	2	6	293		11	1	12	109	0	1	1	3	15	4	19	405		
1985	5	3	8	279		3	1	4	129	0	0	0	1	8	4	12	409		
1986	6	3	9	254		8	5	13	148	0	0	0	1	14	8	22	403		
1987	4	1	5	276		4	0	4	146	0	0	0	2	8	1	9	424		
1988	3	1	4	326		3	2	5	154	0	0	0	3	6	3	9	483		
1989	3	1	4	345		8	0	8	162	0	0	0	3	11	1	12	510		
Total																			
1980	62	39	101	878		75	27	102	380	3	4	7	10	140	70	210	1268		
1981	58	36	94	785		77	31	108	374	3	1	4	10	138	68	206	1169		
1982	81	27	108	775		86	25	111	346	1	1	2	5	168	53	221	1126		
1983	54	26	80	946		64	18	82	409	0	5	5	10	118	49	167	1365		
1984	52	19	71	906		62	27	89	391	3	3	6	10	117	49	166	1307		
1985	53	24	77	937		45	22	67	447	1	0	1	9	99	46	145	1393		
1986	48	17	65	880		49	16	65	463	3	2	5	8	100	35	135	1351		
1987	42	20	62	897		47	27	74	451	0	1	1	10	89	48	137	1358		
1988	30	15	45	980		46	14	60	441	2	2	4	12	78	31	109	1433		
1989	31	12	43	1055		42	11	53	502	5	3	8	15	78	26	104	1572		

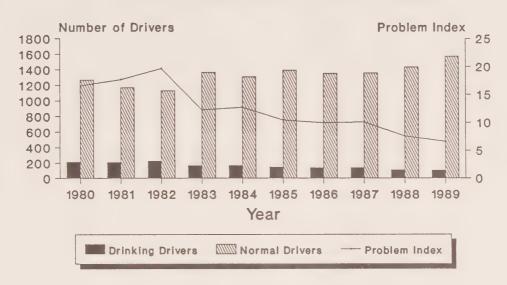
KEY: HBD -- Drivers reported by police to have been drinking

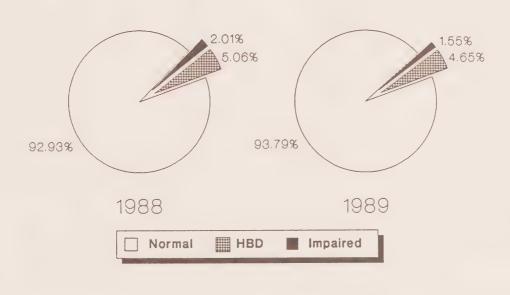
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LANARK

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





B-50

LEEDS

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Personal Injury							Fata	al			Total				
&																				
Sex	HBD	IMP	D/D	NOR	Н	BD	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR		
Male																				
1980	75	32	107	608		68	22	90	315		2	3	5	6	14	5 57	202	929		
1981	69	44	113	683		78	38	116	336		2	3	5	10	14	85	234	1029		
1982	66	27	93	618		50	23	73	293		2	3	5	3	11	3 53	171	914		
1983	50	44	94	632		61	36	97	339		- 1	6	7	6	11	2 86	198	977		
1984	60	29	89	695		45	27	72	364		0	5	5	6	10	5 61	166	1065		
1985	49	23	72	715		48	29	77	377		1	5	6	13	9	3 57	155	1105		
1986	38	23	61	833		39	17	56	380		3	4	7	15	8) 44	124	1228		
1987	34	20	54	684		43	24	67	378		0	3	3	11	7	7 47	124	1073		
1988	34	24	58	750		32	18	50	380		0	2	2	14	6	5 44	110	1144		
1989	37	21	58	907		37	27	64	349		2	2	4	5	7	5 50	126	1261		
Fema	le																			
1980	9	4	13	234		7	. 3	10	136		0	0	0	3	1	5 7	23	373		
1981	6	4	10	282		8	1	9	127		0	0	0	3	1	4 5	19	412		
1982	10	5	15	250		6	6	12	133		0	0	0	0	1	6 11	27	383		
1983	2	5	7	283		13	1	14	168		0	0	0	0	1	5 6	21	451		
1984	9	3	12	334		7	6	13	170		1	0	1	1	1	7 9	26	505		
1985	5	2	7	286		12	3	15	177		0	0	0	3	1	7 5	22	466		
1986	6	2	8	368		7	4	11	198		1	1	2	1	1	4 7	21	567		
1987	4	5	9	335		3	3	6	175		0	0	0	3		7 8	15	513		
1988	3	3	6	363		4	4	8	195		0	0	0	5		7 7	14	563		
1989	3	Ö	3	457		4	4	8	209		0	0	0	4		7 4	11	670		
Total																				
1980	84	36	120	842		75	25	100	451		2	3	5	9	16	1 64	225	1302		
1981	75	48	123	965		86	39	125	463		2	3	5	13	16	3 90	253	1441		
1982	76	32	108	868		56	29	85	426		2	3	5	3	13	4 64	198	1297		
1983	52	49	101	915		74	37	111	507		1	6	7	6	12	7 92	219	1428		
1984	69	32	101	1029		52	33	85	534		1	5	6	7	12	2 70	192	1570		
1985	54	25	79	1001		60	32	92	554		1	5	6	16	11	5 62	177	1571		
1986	44	25	69	1201		46	21	67	578		4	5	9	16	9	4 51	145	1795		
1987	38	25	63	1019		46	27	73	553		0	3	3	14	8	4 55	139	1586		
1988	37	27	64	1113		36	22	58	575		0	2	2	19	7	3 51	124	1707		
1989	40	21	61	1364		41	31	72	558		2	2	4	9	8	3 54	137	1931		

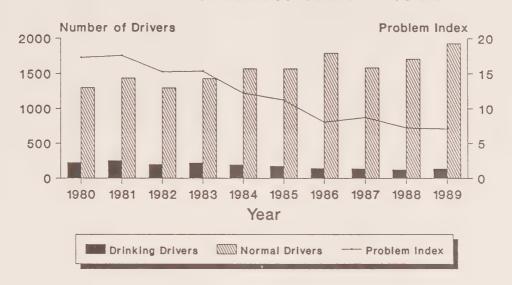
KEY: HBD -- Drivers reported by police to have been drinking

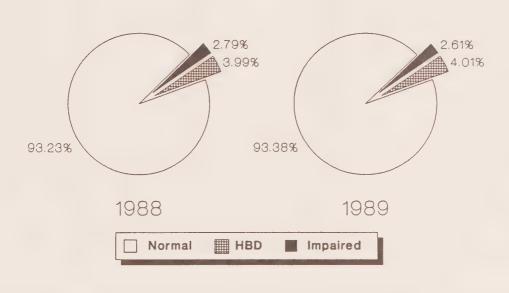
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LEEDS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	perty	Dama	age		Personal Injury						Fata	al			Total					
8.					·																
Sex	HBD	IMP	D/D	NOR	нві)	IMP	D/D	NOR		HBD II	MP [D/D	NOR	HBD	IMP	D/D	NOR			
Male																					
1980	32	12	44	348		47	14	61	191		1	5	6	7	8	0 31	111	546			
1981	39	19	58	339		42	15	57	199		1	2	3	5	8	2 36	118	543			
1982	31	16	47	293		46	19	65	168		1	1	2	5	7	8 36	114	466			
1983	30	9	39	345		28	15	43	148		1	2	3	8	5	9 26	85	501			
1984	33	14	47	365		33	8	41	193		3	3	6	5	6	9 25	94	563			
1985	28	9	37	344		30	6	36	193		1	1	2	6	5	9 16	75	543			
1986	22	12	34	336		26	10	36	207		0	0	0	8	4	8 22	70	551			
1987	24	11	35	358		26	13	39	190		0	3	3	10	5	0 27	77	558			
1988	25	13	38	415		27	12	39	196		1	2	3	1	5	3 27	80	612			
1989	20	12	32	475		25	8	33	227		1	1	2	5	4	6 21	67	707			
Femal	le																				
1980	2	2	4	121		7	1	8	67		0	0	0	0		9 3	12	18			
1981	1	1	2	123		3	1	4	70		0	1	1	1		4 3	3 7	194			
1982	9	3	12	117		8	0	8	67		0	0	0	0	1	7 3	3 20	184			
1983	3	3	6	139		5	0	5	79		0	0	0	1		8 3	3 11	219			
1984	2	1	3	168		4	0	4	80		0	0	0	2		6 1	7	25			
1985	4	0	4	155		7	2	9	98		0	0	0	0	1	1 2	13	25			
1986	0	0	0	142		8	0	8	99		0	0	0	4		8 (8 (24			
1987	2	4	6	154		8	2	10	89		0	0	0	2	1	0 6	16	24			
1988	0	2	2	196		3	1	4	102		0	0	0	2		3 3	6	30			
1989	2	1	3	220		2	3	5	111		0	0	0	2		4 4	8	33			
Total																					
1980	34	14	48	469		54	15	69	258		1	5	6	7	8	9 34	123	73			
1981	40	20	60	462		45	16	61	269		1	3	4	6	8	6 39	125	73			
1982	40	19	59	410		54	19	73	235		1	1	2	5	9	5 39	134	65			
1983	33	12	45	484		33	15	48	227		1	2	3	9	6	7 29	96	72			
1984	35	15	50	533		37	8	45	273		3	3	6	7	7	5 26	101	81			
1985	32	9	41	499		37	8	45	291		1	1	2	6	7	0 18	88	79			
1986	22	12	34	478		34	10	44	306		0	0	0	12		6 2	2 78	79			
1987	26	15	41	512		34	15	49	279		0	3	3	12	(0 3	93	80			
1988	25	15	40	611		30	13	43	298		1	2	3	3		6 30	86	91			
1989	22	13	35	695		27	11	38	338		1	1	2	7		0 2	5 75	104			

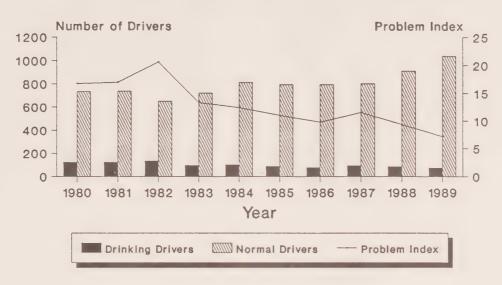
KEY: HBD -- Drivers reported by police to have been drinking

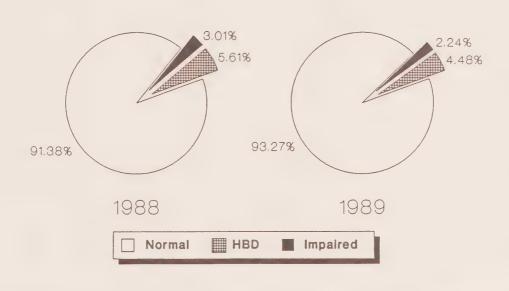
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LENNOX AND ADDINGTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty l	Dama	ige	Pe	rsona	ıl Inju	ry		F	ata	al		Total					
&																			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	AP C	D/D N	IOR	HBD	IMP	D/D	NOR		
Male																			
1980	23	11	34	107	26	5 5	31	56		1	2	3	2	5/	18	68	165		
1981	27	14	41	124	14	9	23	64		1	3	4	4	4:	2 26	68	192		
1982	12	7	19	128	23	3 9	32	51		0	0	0	5	3	5 16	51	184		
1983	20	10	30	126	15	5 11	26	46		2	1	3	4	3	7 22	59	176		
1984	24	9	33	115	14	5	19	36		0	1	1	3	3	3 15	53	154		
1985	20	9	29	105	19	13	32	63		0	1	1	0	3:		62	168		
1986	11	5	16	95		7 10	17	31		1	1	2	0	1	9 16	35	126		
1987	10	6	16	111	1	5	16	47		0	3	3	1	2	1 14	35	159		
1988	9	4	13	98	14	1 5	19	33		1	2	3	3	2	4 11	35	134		
1989	4	10	14	113		7 10	17	53		2	3	5	2	1	3 23	36	168		
Femal	е																		
1980	4	3	7	40	!	5 1	6	24		0	0	0	1		9 4	13	65		
1981	1	0	1	46		7 0	7	33		0	1	1	1		8 1	9	80		
1982	4	1	5	40		3 3	6	13		0	0	0	0		7 4	11	53		
1983	3	4	7	29	4	4 0	4	18		0	0	0	0		7 4	11	47		
1984	6	1	7	45		1 1	2	24		1	0	1	0		8 2	10	69		
1985	5	4	9	24		2 2	2 4	30		0	0	0	0		7 6	13	54		
1986	2	0	2	45		1 3	4	31		0	0	0	0		3 3	6	76		
1987	4	1	5	58		6 1	7	24		1	0	1	0	1	1 2	13	82		
1988	1	0	1	51		4 3	7	23		1	0	1	0		6 3	9	74		
1989	6	0	6	56		1 1	2	45		0	0	0	1		7 . 1	8	102		
Total																			
1980	27	14	41	147	3	1 6	37	80		1	2	3	3	5	9 22	81	230		
1981	28	14	42	170	2	1 9	30	97		1	4	5	5	5	0 27	77	272		
1982	16	8	24	168	2	6 12	38	64		0	0	0	5	4	2 20	62	237		
1983	23	14	37	155	1	9 11	30	64		2	1	3	4	4	4 26	70	223		
1984	30	10	40	160	1	5 6	3 21	60		1	1	2	3	4	6 17	63	223		
1985	25	13	38	129	2	1 15	36	93		0	1	1	0	4	6 29	75	22		
1986	13	5	18	140		8 13	3 21	62		1	1	2	0	2	2 19	41	202		
1987	14	7	21	169	1	7 6	3 23	71		1	3	4	1	3	2 16	48	24		
1988	10	4	14	149	1	8 8	3 26	56		2	2	4	3	3	0 14	44	208		
1989	10	10	20	169		8 11	1 19	98	3	2	3	5	3	2	0 24	44	270		

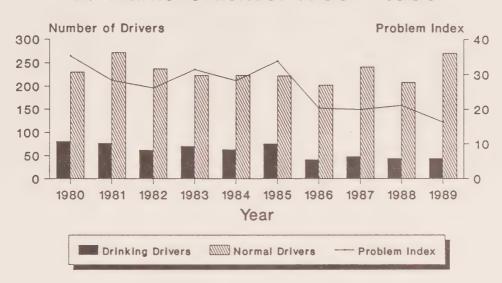
KEY: HBD -- Drivers reported by police to have been drinking

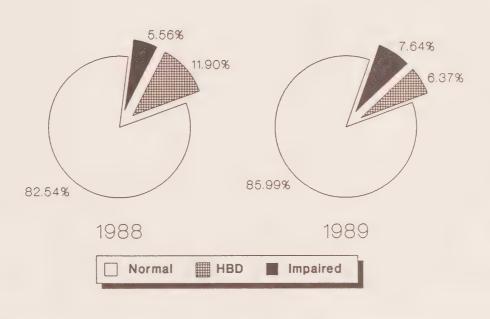
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MANITOULIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Year	Prop	erty	Dama	age		Per	sona	l Injui			Fat	al			Total					
&																				
Sex	HBD	IMP	D/D	NOR	HE	D	IMP	D/D	NOR		HBD I	MP	D/D N	NOR	ŀ	HBD	IMP ·	D/D	NOR	
Male																				
1980	468	140	608	5081		419	123	542	2795		11	10	21	27		898	273	1171	7903	
1981	436	131	567	4945		422	112	534	2699		17	8	25	22		875	251	1126	7666	
1982	367	112	479	4696		371	92	463	2515		10	12	22	25		748	216	964	7236	
1983	316	101	417	4517		275	93	368	2575		6	13	19	32		597	207	804	7124	
1984	303	100	403	4814		297	92	389	2789		9	10	19	30		609	202	811	7633	
1985	237	87	324	4496		263	95	358	3304		4	9	13	33		504	191	695	7833	
1986	198	72	270	4374		177	110	287	3194		5	13	18	28		380	195	575	7596	
1987	153	77	230	4543		190	102	292	3429		5	6	11	30		348	185	533	8002	
1988	174	100	274	5507		183	119	302	3352		2	11	13	35		359	230	589	8894	
1989	207	114	321	5921		165	110	275	3539		4	4	8	33		376	228	604	9490	
Femal	е																			
1980	48	12	60	2059		67	12	79	1274		0	1	1	5		115	25	140	3338	
1981	52	25	77	2044		51	8	59	1222		1	1	2	4		104	34	138	3270	
1982	54	20	74	1956		49	10	59	1165		0	0	Ø	6		103	30	133	312	
1983	55	15	70	2003		55	15	70	1253		0	2	2	9		110	32	142	326	
1984	50	18	68	2163		51	10	61	1317		3	1	4	8		104	29	133	348	
1985	40	20	60	2099		39	9	48	1631		o	1	1	7		79	30	109	373	
1986	23	7	30	2183		28	9	37	1795		0	0	O	14		51	16	67	399	
1987	30	6	36	2317		29	20	49	1927		2	2	4	8		61	28	89	425	
1988	28	14	42	2731		31	12	43	1925		2	0	2	12		61	26	87	466	
1989	35	18	53	2992		22	18	40	2079		1	1	2	4		58	37	95	507	
Total																				
1980	516	152	668	7140		486	135	621	4069		11	11	22	32		1013	298	1311	1124	
1981	488	156	644	6989		473	120	593	3921		18	9	27	26		979	285	1264	1093	
1982	421	132	553	6652		420	102	522	3680		10	12	22	31		851	246	1097	1036	
1983	371	116	487	6520		330	108	438	3828		6	15	21	41		707	239	946	1038	
1984	353	118	471	6977		348	102	450	4106		12	11	23	38		713	231	944	1112	
1985	277	107	384	6595		302	104	406	4935		4	10	14	40		583	221	804	1157	
1986	221	79	300	6557		205	119	324	4989		5	13	18	42		431	211	642	1158	
1987	183	83	266	6860		219	122	341	5356		7	8	15	38		409	213	622	1225	
1988	202	114	316	8238		214	131	345	5277	1	4	11	15	47		420	256	676	1356	
1989	242	132	374	8913		187	128	315	5618	3	5	5	10	37		434	265	699	1456	

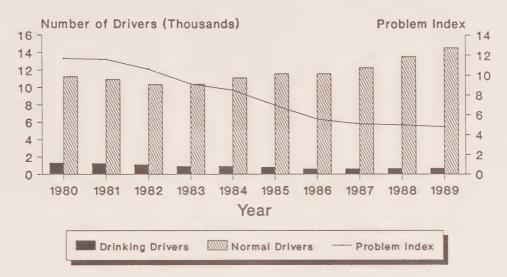
KEY: HBD -- Drivers reported by police to have been drinking

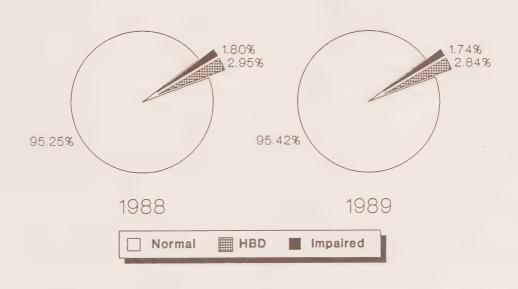
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MIDDLESEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





MUSKOKA

Drivers Involved in Traffic Crashes, 1980 - 1989

	Year	Prop	erty	Dama	age	Pe	rsona	l Injui	у	F	ata	al			Tot	al	
	&.																
	Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IM	IP [D/D 1	NOR	HBD	IMP	D/D	NOR
	Male																
	1980	78	34	112	653	91	31	122	349	4	3	7	20	173	68	241	1022
	1981	95	30	125	624	84	21	105	297	0	6	6	12	179	57	236	933
	1982	73	22	95	644	74	21	95	305	1	2	3	7	148	3 45	193	956
	1983	50	32	82	615	72	27	99	314	2	8	10	8	124	67	191	937
	1984	59	25	84	710	53	22	75	332	8	6	14	10	120	53	173	1052
	1985	49	14	63	670	54	22	74	359	5	1	6	14	100	37	143	1043
	1986	41	24	65	636	53	21	74	366	3	5	8	11	9	7 50	147	1013
	1987	56	16	72	708	55	25	80	373	2	3	5	19	113	3 44	157	1100
	1988	35	24	59	820	40	22	62	344	0	2	2	15	7		123	1179
	1989	48	21	69	981	27	27	54	355	1	0	1	6	70	3 48	124	1342
	Femal	е															
	1980	7	0	7	215	10	0	10	121	0	1	1	7	1	7 1	18	343
	1981	8	4	12	178	9	2	11	88	0	0	0	3	1	7 6	23	269
	1982	8	3	11	222	10) 4	14	117	0	0	0	0	1:	3 7	25	339
	1983	7	0	7	212		3	8	145	0	0	0	1	1:	2 3	15	358
	1984	4	1	5	267	1	6	14	128	2	0	2	3	1.	4 7	21	398
	1985	8	3	11	289	1	3 1	9	127	0	1	1	7	1	5 5	21	423
	1986	3	2	5	249		1	2	167	0	1	1	5		4 4	8	421
	1987	3	0	3	281		5	14	182	0	1	1	3	1		18	466
	1988	7	5	12	374		5 0	5	176	0	0	0	4	1.			554
	1989	6	3	9	428		3 2	10	198	0	0	0	2	1	4 5	19	628
	Total				200000000000000000000000000000000000000												
	1980	85	34	119	868	10	31	132	470	4	4	8	27	19	0 69	259	1365
	1981	103	34	137	802	9:	3 23	116	385	0	6	6	15	19	6 63	259	1202
	1982	81	25	106	866	8-	25	109	422	1	2	3	7	16	6 52	218	1295
	1983	57	32	89	827	7	7 30	107	459	2	8	10	9	13	6 70	206	1295
	1984	63	26	89	977	6	28	89	460	10	6	16	13	13	4 60	194	1450
	1985	57	17	74	959	6	23	83	486	5	2	7	21	12	2 42	164	1466
	1986	44	26	70	885	5-	22	76	533	3	6	9	16	10	1 54	155	1434
	1987	59	16	75	989	6	30	94	555	2	4	6	22	12	5 50	175	1566
	1988	42	29	71	1194	4	5 22	67	520	0	2	2	19	8	7 53	140	1733
	1989	54	24	78	1409	3	5 29	64	553	1	0	1	8	9	0 53	143	1970

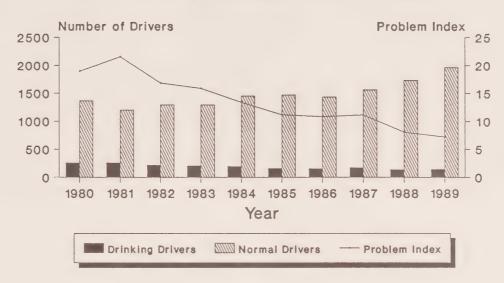
KEY: HBD -- Drivers reported by police to have been drinking

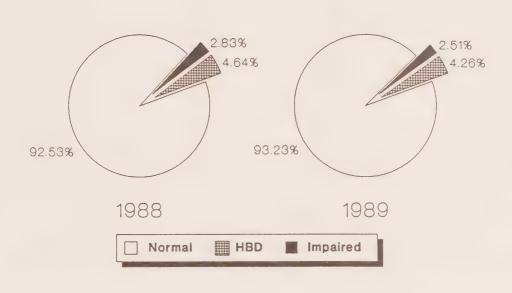
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MUSKOKA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





NIAGARA REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

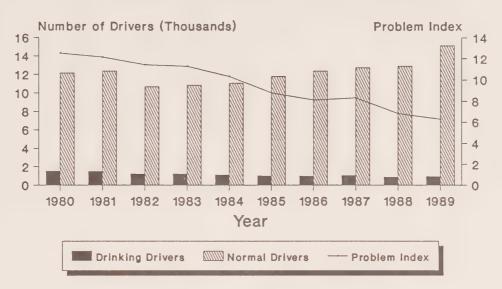
Year	Prop	erty	Dama	ige		Per	sona	l Injui	y			Fat	al				Tota	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP	D/D	NOR	нві)	IMP	D/D	NOR
Male																			
1980	480	232	712	5771		460	166	626	2902		9	10	19	35	9	49	408	1357	8708
1981	435	256	691	5837		409	200	609	2813		10	17	27	30	8	54	473	1327	8680
1982	356	194	550	4837		365	148	513	2539		6	14	20	36	7	27	356	1083	7412
1983	326	192	518	4905		358	148	506	2454		8	11	19	31	6	92	351	1043	7390
1984	337	177	514	4969		315	147	462	2611		13	11	24	31	6	65	335	1000	7611
1985	276	144	420	5115		313	142	455	2855	***************************************	9	11	20	31	5	98	297	895	8001
1986	261	149	410	5270		292	148	440	3041		8	14	22	29	5	61	311	872	8340
1987	290	127	417	5211		313	168	481	3175		3	17	20	37		606	312	918	8423
1988	278	157	435	6014		203	113	316	2401		1	8	9	17	4	182	278	760	8432
1989	299	163	462	7032	░.	217	124	341	2793		8	9	17	37	5	24	296	820	9862
Fema	le																		
1980	49	27	76	2208		65	20	85	1208		1	1	2	8	1	15	48	163	3424
1981	48	24	72	2389		73	22	95	1261		2	0	2	9	1	23	46	169	3659
1982	47	21	68	2156		52	11	63	1091		1	1	2	8	1	00	33	133	3255
1983	55	41	96	2283		66	13	79	1148		0	0	0	14	1	21	54	175	3445
1984	40	25	65	2262		56	13	69	1153		1	0	1	8		97	38	135	3423
1985	43	23	66	2320		47	19	66	1422		2	1	3	11		92	43	135	3753
1986	39	27	66	2443		47	10	57	1540		0	1	1	6		86	38	124	3989
1987	42	23	65	2564		51	20	71	1723		0	2	2	15		93	45	138	4302
1988	38	20	58	3086		43	16	59	1357		0	1	1	6		81	37	118	4449
1989	37	23	60	3630		45	22	67	1634		1	1	2	11		83	46	129	5275
Total																			
1980	529	259	788	7979		525	186	711	4110		10	11	21	43	10)64	456	1520	12132
1981	483	280	763	8226		482	222	704	4074		12	17	29	39	9	77	519	1496	12339
1982	403	215	618	6993		417	159	576	3630		7	15	22	44	8	327	389	1216	10667
1983	381	233	614	7188		424	161	585	3602		8	11	19	45	8	313	405	1218	10835
1984	377	202	579	7231		371	160	531	3764		14	11	25	39	7	762	373	1135	11034
1985	319	167	486	7435		360	161	521	4277		11	12	23	42		590	340	1030	11754
1986	300	176	476	7713		339	158	497	4581		8	15	23	35	(347	349	996	12329
1987	332	150	482	7775		364	188	552	4898		3	19	22	52		399	357	1056	12725
1988	316	177	493	9100		246	129	375	3758		1	9	10	23		563	315	878	12881
1989	336	186	522	10662		262	146	408	4427		9	10	19	48	(307	342	949	15137

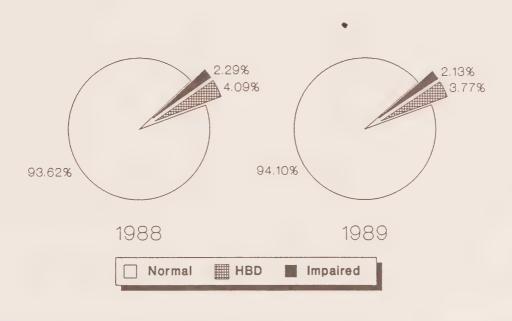
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NIAGARA REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





NIPISSING

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige		Per	sonal	Injur	у		F	ata	al .			Tot	al	INDOORS HOMEONOODOS
&					_													
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR		HBD IN	IP D)/D †	NOR	HBD	IMP	D/D	NOR
Male																		
1980	100	44	144	1292		96	42	138	638		4	3	7	15	200	89	289	1945
1981	93	48	141	1207		88	61	149	641		Ō	4	4	13	181	113	294	1861
1982	83	32	115	1036		72	40	112	500		3	4	7	10	158	76	234	1546
1983	79	38	117	1019		49	41	90	552		4	3	7	22	132		214	1593
1984	66	33	99	1105		57	30	87	547		2	1	3	14	125	64	189	1666
1985	52	25	77	978		52	33	85	655		1	2	3	10	105	60	165	1643
1986	40	14	54	934		41	30	71	618		1	0	1	8	82	2 44	126	1560
1987	38	27	65	942		39	45	84	622		2	4	6	11	79	76	155	1575
1988	42	23	65	1026		28	21	49	629		D	3	3	7	70) 47	117	1662
1989	40	30	70	1476		26	34	60	758		2	2	4	18	68	66	134	2252
Fema	le																	
1980	7	1	8	412		12	3	15	257		0	0	0	2	19	9 4	23	671
1981	7	1	8	380		9	2	11	242		0	0	0	2	10	3	19	624
1982	10	6	16	342		8	2	10	198	▓	0	0	0	2	18	8	26	542
1983	9	5	14	345		113	6	19	213		0	1	1	2	2	2 12	34	560
1984	6	5	11	376		4	6	10	238		0	1	1	1	10	12	22	615
1985	4	3	7	376		7	4	11	271		0	0	0	3	1	1 7	18	650
1986	5	2	7	401		7	2	9	276		0	0	0	2	1:	2 4	16	679
1987	8	2	10	390	▓	7	0	7	314		0	0	0	4	1:	5 2	17	708
1988	3	1	4	430		5	3	8	324		0	0	0	4		3 4	12	758
1989	1	5	6	554		6	3	9	372		0	0	0	2		7 8	15	928
Total																		
1980	107	45	152	1704		108	45	153	895		4	3	7	17	21	9 93	312	2616
1981	100	49	149	1587		97	63	160	883		0	4	4	15	19	7 116	313	2485
1982	93	38	131	1378		80	42	122	698		3	4	7	12	17	6 84	260	2088
1983	88	43	131	1364		62	47	109	765		4	4	8	24	15	4 94	248	2153
1984	72			1481	3333 I	61	36	97			2	2	4	15	13		211	2281
1985	56			1354		59	37	96	926		1	2	3	13	11	6 67	183	2293
1986	45					48	32	80	894		1	0	1	10	9	4 48	142	2239
1987	46					46	45		936		2	4	6	15	9	4 78	172	
1988	45					33	24				0	3	3	11	7	8 51	129	2420
1989	41				***	32					2	2	4	20	7			

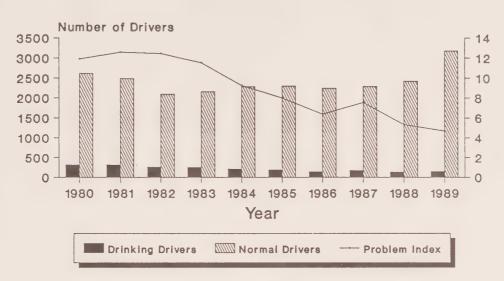
KEY: HBD -- Drivers reported by police to have been drinking

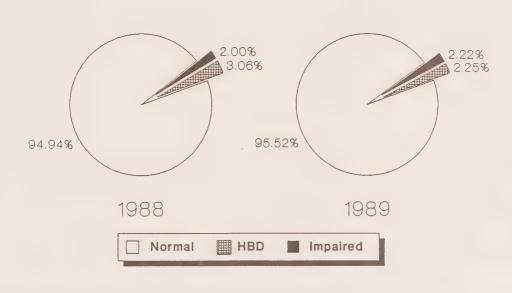
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NIPISSING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





NORTHUMBERLAND

Drivers Involved in Traffic Crashes, 1980 - 1989

Y	/ear	Prop	erty	Dama	ige		Per	sona	l Injui	у		F	ata	al			Tot	al	000000000000000000000000000000000000000
	&																		
	Sex	HBD	IMP	D/D	NOR	Н	BD	IMP	D/D	NOR		HBD IM	AP E	D/D N	IOR	HBD	IMP	D/D	NOR
M	lale																		
194	80	76	47	123	710		105	33	138	468		5	3	8	10	186	83	269	1188
19	81	89	40	129	660		123	22	145	451		3	5	8	17	215	67	282	1128
19	82	83	36	119	675		91	27	118	377		1	8	9	11	175	71	246	1063
19	83	68	37	105	653		80	42	122	391	羉	6	4	10	14	154	83	237	1058
19	84	69	32	101	805		77	30	107	446		1	4	5	9	147	66	213	1260
19	85	59	24	83	802		82	25	107	562		3	7	10	10	144	56	200	1374
19	86	35	22	57	763		66	20	86	516		1	5	6	24	102	47	149	1303
19	87	47	23	70	782		60	37	97	493		0	7	7	16	107	67	174	1291
19	88	54	29	83	937		60	28	88	499		2	4	6	9	116	61	177	1445
19	89	55	28	83	1086		50	25	75	541		4	2	6	19	109	55	164	1646
F	emal	е																	
19	080	10	0	10	282		14	2	16	172		0	2	2	2	24	4	28	456
19	81	11	3	14	231		10	1	11	192		10	0	Ö	0	21	4	25	423
19	82	4	0	4	237		14	7	21	169		Ø	1	1	0	18	8	26	406
19	983	5	2	7	258		9	3	12	193		O	1	1	4	14	6	20	455
19	84	7	0	7	348		7	3	10	193		0	1	1	3	14	4	18	544
19	85	7	3	10	346		11	1	12	271		Ö	2	2	5	18	6	24	622
19	86	6	3	9	343		6	4	10	254		0	0	0	4	12	2 7	19	601
19	87	4	3	7	350		10	3	13	282		1	1	2	7	1!	7	22	639
19	988	6	4	10	473		9	8	17	243		0	0	0	2	1!	12	27	718
19	989	4	3	7	475		8	3	11	271		0	0	Ö	4	17	2 6	18	750
Ţ	otal																		
19	980	86	47	133	992		119	35	154	640		5	5	10	12	210	87	297	1644
19	981	100	43	143	891		133	23	156	643		3	5	8	17	23	3 71	307	1551
19	982	87	36	123	912		105	34	139	546		1	9	10	11	19	3 79	272	1469
19	983	73	39	112	911		89	45	134	584		6	5	11	18	16	89	257	1513
	984	76					84	33	117	639		1	5	6	12	16	1 70	231	1804
19	985	66	27	93	1148		93	26	119	833		3	9	12	15	16	2 62	224	1996
19	986	41		66	1106		72	24	96	770		1	5	6	28	11	4 54	168	1904
19	987	51	26	77	1132		70	40	110	775		1	8	9	23	12	2 74	196	1930
19	988	60	33	93	1410		69	36	105	742	2	2	4	6	11	13	1 73	204	2163
19	989	59	31	90	1561		58	28	86	812	2	4	2	6	23	12	1 61	182	2396

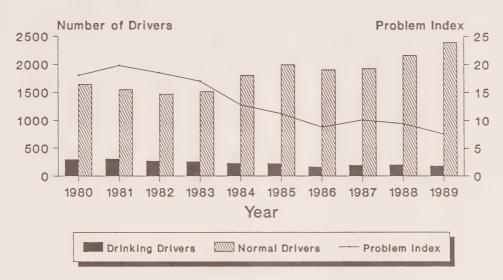
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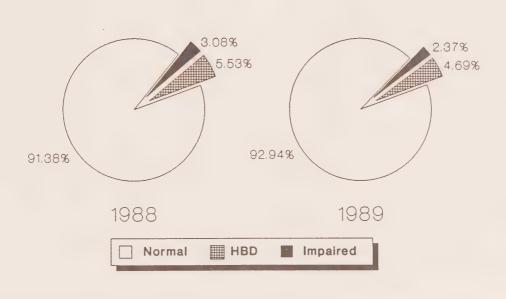
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NORTHUMBERLAND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





OTTAWA-CARLETON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

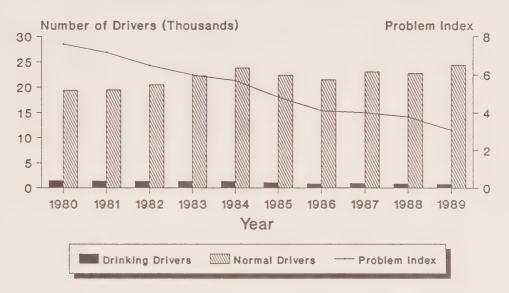
	Year	Prop	erty	Dama	ige		Per	sona	l Injui	y			Fata	al				Tota	al	
	&															Г				
	Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP I	D/D 1	NOR	L	HBD	IMP	D/D	NOR
	Male																			
1	980	474	317	791	10622		320	208	528	3896		10	11	21	39		804	536	1340	14557
1	1981	473	269	742	10671		335	170	505	3891		7	6	13	39		815	445	1260	14601
1	1982	443	237	680	11223		311	169	480	4221		3	10	13	27		757	416	1173	15471
1	1983	422	239	661	11950		322	175	497	4545		8	17	25	40		752	431	1183	16535
1	1984	428	245	673	12800		297	200	497	4753		14	9	23	57		739	454	1193	17610
1	1985	293	211	504	11173		275	157	432	5228		7	13	20	36		575	381	956	16437
1	986	212	169	381	10664		219	158	377	4893		6	11	17	38		437	338	775	15595
1	1987	238	204	442	11170		214	154	368	5404		11	9	20	39	-	463	367	830	16613
1	1988	229	183	412	11155	▓	177	160	337	5037		2	7	9	49		408	350	758	16241
1	989	191	167	358	11844		155	136	291	5315		4	4	8	56	-	350	307	657	17215
	Femal	е																		
1	1980	42	28	70	3449		49	16	65	1402		1	1	2	8		92	45	137	4859
1	1981	44	26	70	3471		52	13	65	1402		0	1	1	6		96	40	136	4879
1	1982	57	28	85	3547		56	11	67	1435		1	1	2	2		114	40	154	4984
1	1983	50	29	79	3980		49	19	68	1713		0	0	0	6		99	48	147	5699
1	1984	57	38	95	4407		43	19	62	1782		2	0	2	8		102	57	159	6197
1	1985	39	24	63	3838		34	19	53	2065		2	0	2	5		75	43	118	5908
1	1986	33	23	56	3785		34	14	48	2057		Ö	1	5	11		67	38	105	5853
1	987	18	29	47	4054		31	14	45	2367		0	1	1	13	░.	49	44	93	6434
1	1988	37	17	54	4239		28	18	46	2232		1	2	3	20		66	37	103	6491
1	1989	28	24	52	4854		30	15	45	2357		0	0	0	14	░.	58	39	97	7225
-	Total																			
1	1980	516	345	861	14071		369	224	593	5298		11	12	23	47		896	581	1477	19416
1	1981	517	295	812	14142		387	183	570	5293		7	7	14	45		911	485	1396	19480
1	982	500	265	765	14770		367	180	547	5656	1888	4	11	15	29		871	456	1327	20455
1	1983	472	268	740	15930		371	194	565	6258		8	17	25	46		851	479	1330	22234
1	1984	485	283	768	17207		340	219	559	6535		16	9	25	65		841	511	1352	23807
1	1985	332	235	567	15011		309	176	485	7293		9	13	22	41		650	424	1074	22345
1	1986	245	192	437	14449		253	172	425	6950		6	12	18	49		504	.376	880	21448
1	1987	256	233	489	15224		245	168	412	7771		11	10	21	52		512	411	923	23047
1	1988	266	200	466	15394		205	178	383	7269		3	9	12	69		474	387	861	22732
1	1989	219	191	410	16698		185	151	336	7672		4	4	8	70		408	346	754	24440

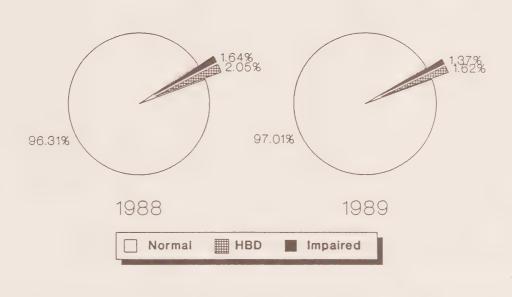
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OTTAWA-CARLETON REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige	Per	sona	l Injur	у		Fat	al			20000000	Tota	al	
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP I	D/D N	NOR	нві)	IMP	D/D	NOR
Male																	
1980	98	57	155	1120	101	38	139	644	4	11	15	20	2	203	106	309	1784
1981	92	44	136	1075	82	29	111	481	5	8	13	19	1	79	81	260	1575
1982	72	47	119	1012	81	33	114	572	3	5	8	10	1	56	85	241	1594
1983	64	39	103	948	76	27	103	542	2	5	7	12	1	42	71	213	1502
1984	54	37	91	1084	74	17	91	557	1	1	2	4	1	29	55	184	1645
1985	47	19	66	1055	59	19	78	652	.5	1	3	16	1	801	39	147	1723
1986	41	25	66	1058	39	35	74	671	0	2	2	19		80	62	142	1748
1987	43	23	66	956	56	29	85	680	1	8	9	18		00	60	160	1654
1988	39	31	70	1320	44	36	80	682	5	2	7	13		88	69	157	2015
1989	36	25	61	1367	40	22	62	645	2	4	6	15		78	51	129	2027
Fema	le																
1980	6	6	12	398	16	4	20	263	0	1	1	6		22	11	33	667
1981	9	5	14	415	17	8	25	204	0	0	0	4		26	13	39	623
1982	5	7	12	455	8	1	9	282	0	1	1	2		13	9	22	739
1983	9	4	13	394	14	2	16	224	1	0	1	2		24	6	30	620
1984	8	2	10	495	5	3	8	260	1	0	1	3		14	5	19	758
1985	9	1	10	429	11	1	12	298	0	1	1	0		20	3	23	727
1986	5	0	5	464	11	3	14	322	0	0	0	3		16	3	19	789
1987	O	2	2	464	11	5	16	361	0	0	0	10		11	7	18	835
1988	6	3	9	602	8	6	14	342	0	0	0	2		14	9	23	946
1989	5	2	7	686	4	1	5	365	0	0	0	7		9	3	12	1058
Total																	
1980	104	63	167	1518	117	42	159	907	4	12	16	26	2	225	117	342	2451
1981	101	49	150	1490	99	37	136	685	5	8	13	23	2	205	94	299	2198
1982	77	54	131	1467	89	34	123	854	3	6	9	12		169	94	263	2333
1983	73	43	116	1342	90	29	119	766	3	5	8	14		166	77	243	2122
1984	62	39	101	1579	79	20	99	817	2	1	3	7		143	60	203	2403
1985	56	20	76	1484	70	20	90	950	2	2	4	16		128	42	170	2450
1986	46	25	71	1522	50	38	88	993	0	2	2	22		96	65	161	2537
1987	43	25	68	1420	67	34	101	1041	1	8	9	28		111	67	178	2489
1988	45	34	79	1922	52	42	94	1024	5	2	7	15		102	78	180	2961
1989	41	27	68	2053	44	23	67	1010	2	4	6	22		87	54	141	3085

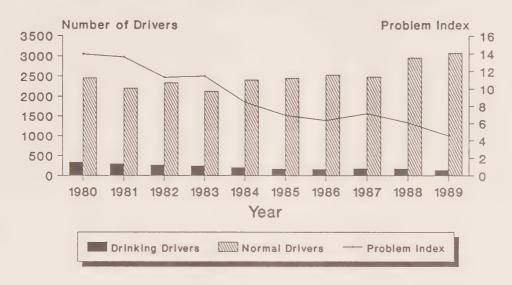
KEY: HBD -- Drivers reported by police to have been drinking

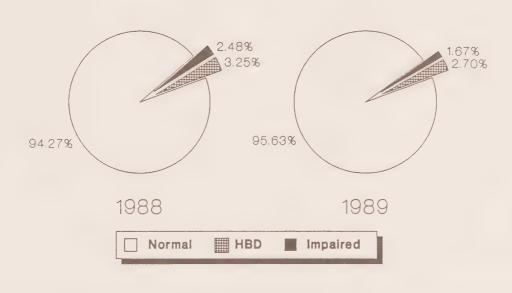
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

OXFORD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PARRY SOUND

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige]	I	er	sona	l Injui	ry	ı	Fata	al				Tot	al	
&																		
Sex	нво	IMP	D/D	NOR	нв)	IMP	Ď/D	NOR	HBD II	MP [D/D 1	NOR	ŀ	HBD	IMP	D/D	NOR
Male																		
1980	60	36	96	549		81	21	102	320	1	5	6	20		142	62	204	889
1981	64	31	95	518		61	21	82	276	4	4	8	26		129	56	185	820
1982	58	29	87	559		55	16	71	272	4	2	6	14		117	47	164	845
1983	53	21	74	506		51	13	64	297	2	2	4	30		106	36	142	833
1984	51	11	62	566		55	13	68	286	0	3	3	10		106	27	133	862
1985	34	22	56	605		53	16	69	317	1	5	6	15		88	43	131	937
1986	29	22	51	529		31	28	59	295	2	3	5	16		62	53	115	840
1987	27	20	47	462		46	22	68	366	1	4	5	16		74	46	120	844
1988	29	17	46	638		32	16	48	300	2	1	3	7		63	34	97	945
1989	31	19	50	721		31	13	44	359	1	1	2	23		63	33	96	1103
Fema	le																	
1980	3	3	6	133		5	0	5	109	0	0	0	3		8	3	11	245
1981	4	0	4	148		12	2	14	81	0	0	0	4		16	2	18	233
1982	5	1	6	167		6	3	9	91	0	0	0	2		11	4	15	260
1983	2	5	7	176		9	1	10	94	0	0	0	6		11	6	17	276
1984	В	1	9	171		5	0	5	93	0	0	0	0		13	1	14	264
1985	3	1	4	203		4	2	6	104	0	0	0	6		7	3	10	313
1986	2	2	4	208		2	0	2	90	0	1	1	5		4	3	7	303
1987	0	1	1	169		7	5	12	137	0	1	1	7		7	7	14	313
1988	2	1	3	219		2	4	6	132	0	0	0	4		4	5	9	355
1989	4	2	6	243		3	1	4	136	1	0	1	10		8	3	11	389
Total																		
1980	63	39	102	682		86	21	107	429	1	5	6	23		150	65	215	1134
1981	68	31	99	666		73	23	96	357	4	4	8	30		145	58	203	1053
1982	63	30	93	726		61	19	80	363	4	2	6	16		128	51	179	1105
1983	55	26	81	682		60	14	74	391	2	2	4	36		117	42	159	1109
1984	59	12	71	737		60	13	73	379	0	3	3	10		119	28	147	1126
1985	37	23	60	808		57	18	75	421	1	5	6	21		95	46	141	1250
1986	31		55	737		33	28	61	385	2	4	6	21		66	56	122	1143
1987	27		48	631		53	27	80		1	5	6	23		81	53	134	1157
1988	31	18	49	857		34	20	54	432	2	1	3	11		67	39	106	1300
1989	35	21	56	964		34	14	48		2	1	3	33		71	36	107	1492

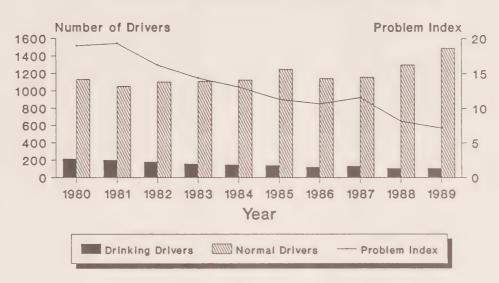
KEY: HBD -- Drivers reported by police to have been drinking

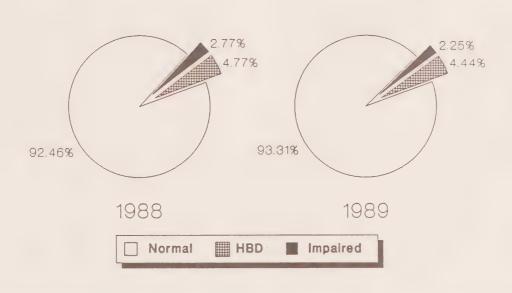
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PARRY SOUND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PEEL

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige		Per	sona	l Injui	у	1	Fat	al				Tota	al	000000000000000000000000000000000000000
&																		
Sex	HBD	IMP	D/D	NOR	нв	0	IMP	D/D	NOR	HBD I	MP	D/D I	NOR	нві)	IMP	D/D	NOR
Male																		
1980	349	276	625	8313		321	259	580	3978	13	15	13	57		883	550	1218	12348
1981	393	234	627	8465		364	282	646	4180	12	13	25	50	7	769	529	1298	12695
1982	317	230	547	7708		295	238	533	3829	6	19	25	36	•	318	487	1105	11573
1983	235	209	444	7234		279	235	514	3822	12	15	27	46		526	459	985	11102
1984	255	231	486	8460		283	225	508	4634	10	12	22	40		548	468	1016	13134
1985	235	201	436	8344		238	248	486	5173	10	13	23	55	4	183	462	945	13572
1986	179	169	348	8274		232	229	461	5531	5	10	15	47	4	116	408	824	13852
1987	235	190	425	9415		220	245	465	6328	2	18	20	80	4	157	453	910	15823
1988	248	204	452	10888		219	204	423	5673	8	13	21	56	4	175	421	896	16617
1989	275	251	526	12815		204	242	446	5991	7	6	13	50		186	499	985	18856
Femal	е																	
1980	35	13	48	2838		39	23	62	1527	1	1	2	14		75	37	112	4379
1981	37	27	64	3071		41	32	73	1653	2	2	4	22		80	61	141	4746
1982	40	20	60	2894		31	19	50	1610	1	0	1	12		72	39	111	4516
1983	33	22	55	2787		43	25	68	1614	1	2	3	18		77	49	126	4419
1984	31	29	60	3204		41	33	74	1937	Ø	0	0	12		72	62	134	5153
1985	27	25	52	3190		41	22	63	2345	Ø	1	1	16		68	48	116	5551
1986	20	25	45	3306		36	27	63	2417	1	1	2	13		57	53	110	5736
1987	29	18	47	3726		40	23	63	3005	2	1	3	26		71	42	113	6757
1988	37	20	57	4412		29	32	61	2682	1	0	1	16		67	52	119	7110
1989	28	20	48	5314		29	27	56	2923	1	1	2	9		58	48	106	8246
Total																		
1980	384	289	673	11151		360	282	642	5505	14	16	30	71		758	587	1345	16727
1981	430	261	691	11536		405	314	719	5833	14	15	29	72		849	590	1439	17441
1982	357	250	607	10602		326	257	583	5439	7	19	26	48		690	526	1216	16089
1983	268	231	499	10021		322	260	582	5436	13	17	30	64		603	508	1111	15521
1984	286	260	546	11664		324	258	582	6571	10	12	22	52		620	530	1150	18287
1985	262	226	488	11534		279	270	549	7518	10	14	24	71		551	510	1061	1912
1986	199	194	393	11580		268	256	524	7948	6	11	17	60		473	461	934	19588
1987	264	208	472	13141		260	268	528	9333	4	19	23	106		528	495	1023	22580
1988	285	224	509	15300		248	236	484	8355	9	13	22	72		542	473	1015	2372
1989	303	271	574	18129		233	269	502	8914	8		15	59		544	547	1091	27102

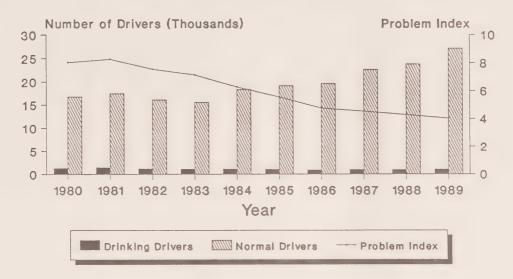
KEY: HBD -- Drivers reported by police to have been drinking

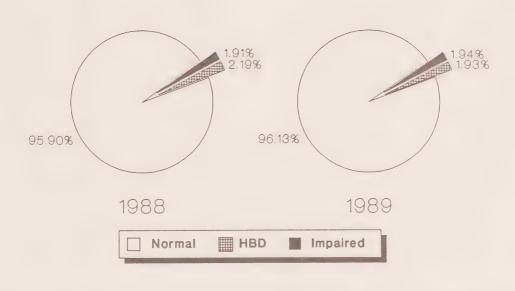
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PEEL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PERTH

Drivers Involved in Traffic Crashes, 1980 - 1989

Yea	r Pro	perty	Dama	age		Per	sona	l Inju	y	I	ata	al				Tot	al	
&					r									Г				
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	HBD II	MP [D/D N	IOR	L	IBD	IMP	D/D	NOR
Male	•																	
1980	77	30	107	846		77	21	98	372	2	2	4	12		156	53	209	1230
1981	57	30	87	837		69	27	96	391	2	2	4	13		128	59	187	1241
1982	62	25	87	784		64	24	88	386	1	3	4	7		127	52	179	1177
1983	51	18	69	809		63	24	87	365	4	1	5	6		118	43	161	1180
1984	53	18	71	865		52	20	72	347	2	0	2	7		107	38	145	1219
1985	46	21	67	783		34	14	48	422	0	0	0	10		80	35	115	1215
1986	31	20	51	721		30	14	44	375	1	1	2	19		62	35	97	1115
1987	32	14	46	719		35	12	47	400	2	1	3	8	_	69	27	96	1127
1988	32	19	51	804		21	16	37	329	1	1	2	8		54	36	90	1141
1989	31	14	45	864		15	13	28	340	1	1	2	6		47	28	75	1210
Fem	ale																	
1980	5	2	7	291		10	2	12	156	1	1	2	2		16	5	21	449
1981	4	3	7	321		4	3	7	174	1	0	1	2		9	6	15	497
1982	16	Ö	16	339		3	1	4	159	1	0	1	1		20	1	21	499
1983	7	4	11	404		7	1	8	190	0	1	1	3		14	6	20	597
1984	7	6	13	392		4	3	7	183	0	0	0	4		11	9	20	579
1985	9	5	14	388		6	2	8	209	0	0	0	5		15	7	22	602
1986	3	3	6	341		6	1	7	204	0	0	0	5		9	4	13	550
1987	3	Ö	3	351	▓_	5	2	7	231	0	0	0	2	-	8	2	10	584
1988	2	4	6	462		3	2	5	197	0	0	0	2		5	6	11	661
1989	4	2	6	492	-	4	0	4	214	0	0	0	4		8	2	10	710
Tota	1																	
1980	82	32	114	1137		87	23	110	528	3	3	6	14		172	58	230	1679
1981	61	33	94	1158		73	30	103	565	3	2	5	15		137	65	202	1738
1982	78	25	103	1123		67	25	92	545	2	3	5	8		147	53	200	1676
1983	58	22	80	1213		70	25	95	555	4	2	6	9		132	49	181	1777
1984	60	24	84	1257		56	23	79	530	2	0	2	11		118	47	165	1798
1985	55	26	81	1171		40	16	56	631	0	0	0	15		95	42	137	1817
1986	34	23	57	1062		36	15	51	579	1	1	2	24		71	39	110	1665
1987	35	14	49	1070		40	14	54	631	2	1	3	10		77	29	106	1711
1988	34	23	57	1266		24	18	42	526	1	1	2	10		59	42	101	1802
1989	35	16	51	1356		19	13	32	554	1	1	2	10		55	30	85	1920

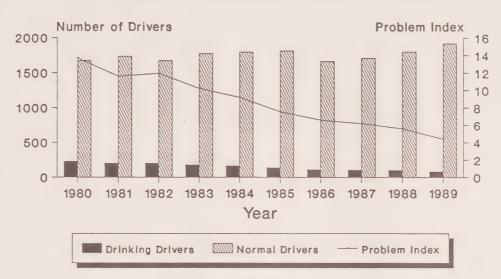
KEY: HBD -- Drivers reported by police to have been drinking

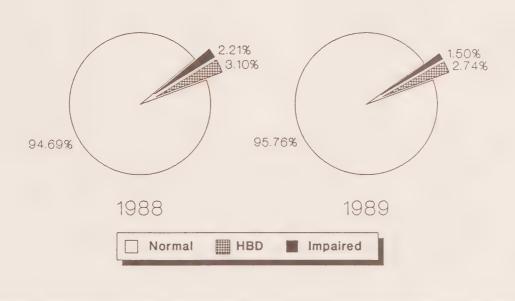
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PERTH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PETERBOROUGH

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Per	sona	i Injui	ry		Fat	al				Tot	al	*****************
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP	D/D 1	NOR	Н	BD	IMP	D/D	NOR
Male																	
1980	165	65	230	1405	166	71	237	796	5	5	10	13		336	141	477	2214
1981	151	67	218	1345	139	63	202	752	5	9	14	7		295	139	434	2104
1982	139	58	197	1350	126	39	165	675	0	3	3	9		265	100	365	2034
1983	88	71	159	1232	86	81	167	633	2	7	9	8		176	159	335	1873
1984	92	58	150	1319	100	65	165	808	5	4	9	4		197	127	324	2131
1985	64	71	135	1153	72	60	132	775	1	0	1	5		137	131	268	1933
1986	35	40	75	1168	60	65	125	771	1	5	6	8		96	110	206	1947
1987	56	52	108	1260	60	55	115	862	2	3	5	7		118	110	228	2129
1988	57	65	122	1400	47	44	91	828	5	4	9	13		109	113	222	2241
1989	56	48	104	1518	43	47	90	801	0	0	0	13		99	95	194	2332
Femal	e																
1980	14	5	19	542	17	2	19	369	0	1	i	1		31	8	39	912
1981	20	4	24	530	21	2	23	347	0	0	O	2		41	6	47	879
1982	16	3	19	641	20	1	21	325	0	1	1	1		36	5	41	967
1983	13	10	23	583	16	9	25	331	O	0	O	5		29	19	48	919
1984	5	6	11	619	12	9	21	403	Ø	2	2	5		17	17	34	1027
1985	3	5	8	511	8	5	13	375	11	0	11	1		12	10	22	887
1986	4	8	12	544	8	4	12	416	Ħ	0	11	2		13	12	25	962
1987	9	3	12	623	5	10	15	462	0	0	0	0		14	13	27	1085
1988	11	6	17	732	9	6	15	460	0	0	0	4		20	12	32	1196
1989	15	8	23	828	8	13	21	520	0	0	0	7		23	21	44	1355
Total																	
1980	179	70	249	1947	183	73	256	1165	5	6	11	14		367	149	516	3126
1981	171	71	242	1875	160	65	225	1099	5	9	14	9		336	145	481	2983
1982	155	61	216	1991	146	40	186	1000	0	4	4	10		301	105	406	3001
1983	101	81	182	1815	102	90	192	964	2	7	9	13		205	178	383	2792
1984	97	64	161	1938	112	74	186	1211	5	6	11	9		214	144	358	3158
1985	67	76	143	1664	80	65	145	1150	2	0	2	6		149	141	290	2820
1986	39	48	87	1712	68	69	137	1187	2	5	7	10		109	122	231	2909
1987	65	55	120	1883	65	65	130	1324	2	3	5	7		132	123	255	3214
1988	68	71	139	2132	56	50	106	1288	5	4	9	17		129	125	254	3437
1989	71	56	127	2346	51	60	111	1321	0	0	0	20		122	116	238	3687

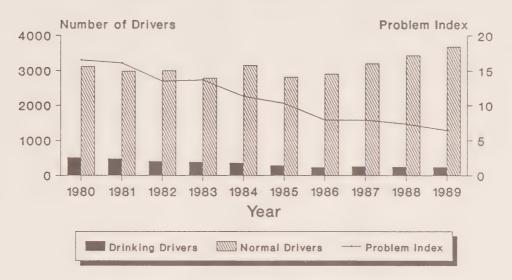
KEY: HBD -- Drivers reported by police to have been drinking

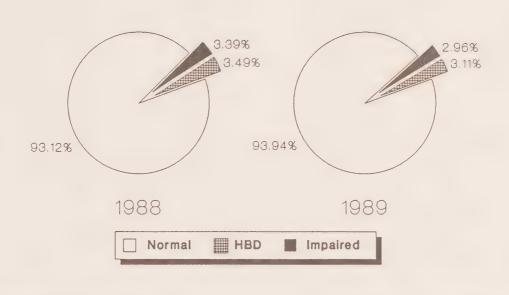
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D – Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PETERBOROUGH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PRESCOTT

Drivers Involved in Traffic Crashes, 1980 - 1989

Yea	r Pro	perty	Dama	age	P	ersona	ıl Inju	ry	F	ata	al			Tot	al	ASSISTANCE AND ASSIST
&																
Sex	(HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	MP [D/D N	OR	HBD	IMP	D/D	NOR
Male	9															
1980	49	20	69	508	3	3 21	54	187	3	3	6	7	85	44	129	702
1981	50	24	74	401	3	7 16	53	160	1	1	2	3	88	3 41	129	564
1982	38	14	52	343	3	0 22	52	154	0	1	1	4	68	3 37	105	501
1983	35	15	50	379	3	8 11	49	180	1	0	1	5	74	26	100	564
1984	26	7	33	407	3	2 15	47	170	0	0	0	0	58	3 22	80	577
1985	28	18	46	388	3	0 9	39	236	1	3	4	7	59	30	89	631
1986	22	2	24	399	2	2 10	32	168	0	1	1	3	44	13	57	570
1987	10	14	24	396	2	0 10	30	211	3	2	5	1	33	3 26	59	608
1988	22	2 7	29	427	2	6 7	33	162	2	0	2	2	50	14	64	591
1989	18	9	27	454	1	8 11	29	204	0	1	1	4	36	21	57	662
Fem	ale															
1980	4	0	4	141		4 2	6	79	0	0	0	0	}	3 2	10	220
1981	2	2 1	3	120		5 0	5	58	0	0	0	1		7 1	8	179
1982	1	0	1	87		3 1	4	59	0	0	0	0	4	1	5	146
1983	1	1	2	127		2 0	2	75	1	0	1	1		1	5	203
1984	13	0	3	115		3 2	5	61	0	1	1	0		3	9	176
1985	2	2 0	2	128		3 0	3	92	1	0	1	o	(0	6	220
1986	3	3 0	3	127		3 3	6	87	0	0	0	3		3	9	217
1987	C	0	0	142		4 0	4	77	0	1	1	1		1	5	220
1988	C	0	0	182		1 0	1	85	0	0	0	0		0	1	267
1989	1	0	1	219		4 0	4	109	0	0	0	0		5 0	5	328
Tota	ıl															
1980	53	3 20	73	649	3	7 23	60	266	3	3	6	7	9:	3 46	139	922
1981	52	2 25	77	521	4	2 16	58	218	1	1	2	4	9:	5 42	137	743
1982	39	9 14	53	430	3	3 23	56	213	0	1	1	4	7:	2 38	110	647
1983	36	16	52	506	4	0 11	51	255	2	0	2	6	7	3 27	105	767
1984	29			522	3	5 17			0	1	1	0	6		89	753
1985	30			E		3 9			2	3	5	7	6		95	851
1986	25					25 13			0	1	1	6	5		66	787
1987	10					24 10			3	3	6	2	3		64	828
1988	22					27 7			2	0	2	2	5		65	858
1989	19					2 11			0	1	1	4	4		62	990

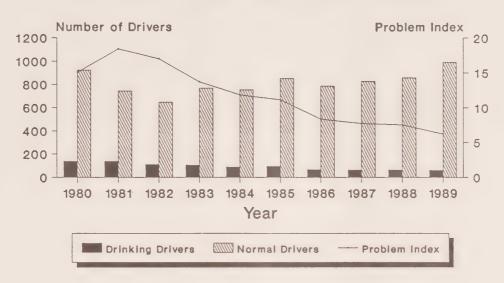
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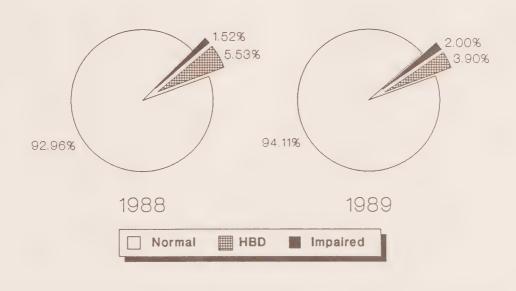
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PRESCOTT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





PRINCE EDWARD

Drivers Involved in Traffic Crashes, 1980 - 1989

	Year	Prop	perty	Dama	age	Per	sona	l Injur	ry	F	ata	al			Tot	al	
	&																
1 . 2 . 2 . 3 .	Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IM	AP D)/D N	OR	HBD	IMP	D/D	NOR
	Male																
	1980	27	16	43	199	22	14	36	83	3	3	6	1	5	2 33	85	233
	1981	27	21	48	186	23	7	30	80	0	2	2	5	5		80	271
	1982	30	13	43		29	14	43	96	1	3	4	2	6		90	284
	1983	20	14		8	25	11	36	74	0	1	1	1	8	5 26		257
	1984	28	12			25	10	35	89	1	0	1	4		4 22		310
	1985	19	12			29	11	40	131	0	2	2	1		8 25		368
	1986	8	9			13	10	23	98	1	2	3	2		2 21	43	296
	1987	18				15	10	25	98	0	1	1	1		3 17		279
	1988	13				16	12	28	85	0	0	0	6		9 19		271
	1989	15	10	25	221	11	6	17	100	2	0	2	4	2	8 16	44	325
	Femal	le															
	1980	3	3	6	68	7	0	7	41	0	0	0	0	1	0 3		109
	1981	2	3	5	80	3	1	4	34	0	0	0	1		5 4		115
	1982	4	1	5	79	3	0	3	38	0	0	0	1		7 1		118
	1983	3	2	5	84	5	0	5	41	0	0	0	1		8 2		126
	1984	1	0	1	92	3	1	4	31	0	0	0	1		4 1		124
	1985	1	1	2	98	1	1	2	57	0	0	0	0		2 2		155
	1986	2	2	4	105	5	1	6	47	0	0	0	0		7 3		152
	1987	O			90	4	0			0	1	1	2		4 2		143
	1988	0	0	0	79	2	1	3		0	0	0	3		2 1		
	1989	11	1	2	138	1	1	2	56	0	0	0	0		2 2	: 4	194
	Total				A distance												
	1980	30	19	49	267	29	14	43	124	3	3	6	1	(36	98	392
	1981	29	24	53	266	26	8	34	114	0	2	2	6		55 34	89	386
	1982	34	14	48	265	32	14	46	134	1	3	4	3	(31	98	402
	1983	23	16	39	266	30	11	41	115	0	1	1	2	!	33 28	81	383
	1984	29	12	41	309	28	11	39	120	1	0	1	5	!	58 23	81	434
	1985	20	13	33	334	30	12	42	188	0	2	2	1	!	50 27	77	523
	1986	10	11	21	301	18	11	29	145	1	2	3	2		29 24	53	44
	1987	18	7	25	270	19	10	29	149	0	2	2	3		37 19	56	42
	1988	13	7	20	259	18	13	31	140	0	0	0	9		31 20	51	40
	1989	16	11	27	359	12	7	19	156	2	0	2	4		30 18	3 48	519

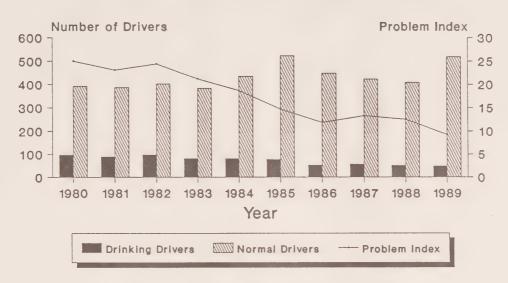
KEY: HBD -- Drivers reported by police to have been drinking

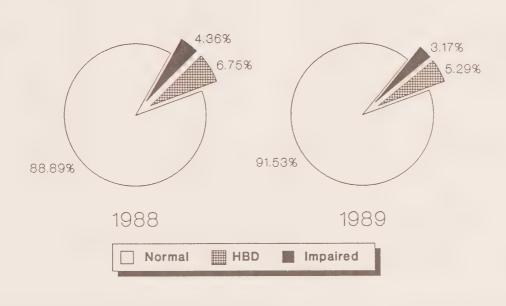
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PRINCE EDWARD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





RAINY RIVER

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Personal Injury							Fata	al			Total					
&																					
Sex	HBD	IMP	D/D	NOR	Н	3D	IMP	D/D	NOR		HBD II	MP [D/D 1	NOR		HBD	IMP	D/D	NOR		
Male																					
1980	44	19	63	398		32	10	42	135		2	2	4	4		78	31	109	537		
1981	35	17	52	382		27	16	43	108		1	1	2	0		63	34	97	490		
1982	35	25	60	374		17	12	29	105		1	2	3	2		53	39	92	48		
1983	31	18	49	344		25	10	35	128		1	2	3	4		57	30	87	47		
1984	30	14	44	314		24	8	32	121		2	1	3	4		56	23	79	439		
1985	24	6	30	339		19	13	32	127	***************************************	0	1	1	0		43	20	63	46		
1986	17	9	26	290		21	7	28	100		0	1	1	1		38	17	55	39		
1987	21	9	30	257		18	8	26	99		2	2	4	3		41	19	60	35		
1988	13	4	17	329		13	4	17	95		1	0	1	0		27	8	35	42		
1989	9	6	15	374		9	4	13	99		2	_0	2	4		20	10	30	47		
Femal	е								:												
1980	1	3	4	129		3	0	3	56		1	0	1	1		5	3	8	18		
1981	7	2	9	124		5	3	8	48		0	0	0	0		12	5	17	17		
1982	1	2	3	119		2	2	4	31		1	0	1	0		4	4	8	15		
1983	3	2	5	109		6	1	7	54		0	0	0	2		9	3	12	16		
1984	2	2	4	150		5	2	7	50		0	1	1	0		7	5	12	20		
1985	3	2	5	99		3	3	6	54		0	1	1	0		6	6	12	15		
1986	2	0	2	106		1	0	1	63		0	0	0	1		3	0	3	17		
1987	2	3	5	93		5	2	7	58		1	0	1	0		8	5	13	15		
1988	1	2	3	131		3	2	5	57		0	0	0	0		4	4	8	18		
1989	4	2	6	154		2	2	4	57		0	0	0	3		6	4	10	21		
Total																					
1980	45	22	67	527		35	10	45	191		3	2	5	5		83	34	117	72		
1981	42	19	61	506		32	19	51	156		1	1	2	0		75	39	114	66		
1982	36	27	63	493		19	14	33	136		2	2	4	2		57	43	100	63		
1983	34	20	54	453		31	11	42	182		1	2	3	6		66	33	99	64		
1984	32	16	48	464		29	10	39	171		2	2	4	4		63	28	91	63		
1985	27	8	35	438		22	16	38	181		0	2	2	0		49	26	75	61		
1986	19	9	28	396		22	7		163	888	0	1	1	2		41	17	58	56		
1987	23	12	35	350		23	10	33	157		3	2	5	3		49	24	73	5		
1988	14	6	20	460		16	6				1	0	1	0	## I	31	12	43	6		
1989	13		21	528		11	6				2	0	2	7		26	14	40	69		

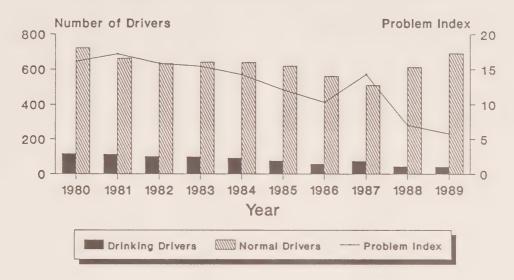
KEY: HBD -- Drivers reported by police to have been drinking

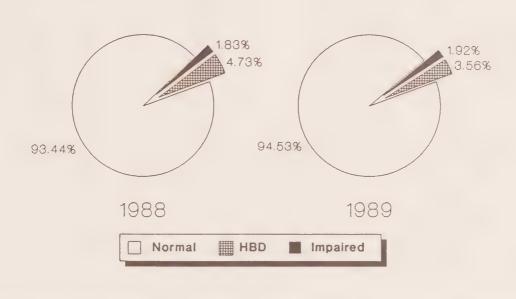
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RAINY RIVER

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





RENFREW

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Р		Fat	al			Total									
&																				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP I	D/D I	NOR	ŀ	HBD	IMP	D/D	NOR			
Male																				
1980	139	41	180	1160	15	59 51	210	516	8	7	15	19		306	99	405	169			
1981	126	61	187	945	13	38	170	472	7	10	17	15		265	109	374	14			
1982	111	48	159	912	11	5 39	154	461	7	7	14	22		233	94	327	13			
1983	88	48	136	1009	8	15 40	125	475	3	4	7	19		176	92	268	15			
1984	93	50	143	1036	8	30 31	111	454	3	2	5	19		176	83	259	15			
1985	82	30	112	952	9	14 32	126	465	3	5	8	11		179	67	246	14			
1986	54	28	82	862	6	61 26	87	448	3	4	7	14		118	58	176	13			
1987	55	28	83	881	(34 21	85	492	1	4	5	15		120	53	173	13			
1988	46	24	70	973		19	56	460	1	6	7	16		84	49	133	14			
1989	50	34	84	1002		36 26	62	455	6	1	7	20		92	61	153	14			
Femal	le																			
1980	10	4	14	385	1	6 5	21	202	1	0	ß	5		27	9	36	5			
1981	7	8	15	323		6 6	22	198	Ø	0	O	0		23	14	37	5			
1982	13	4	17	310		3 4	17	172	2	0	2	2		28	8	36	4			
1983	9	4	13	325	1	5 1	16	169	Ó	1	1	8		24	6	30	5			
1984	10	4	14	384	1	1 1	12	177	1	0	ß	8		22	5	27	5			
1985	4	1	5	378		8 1	9	230	Ö	1	3	5		12	3	15	(
1986	4	4	8	322		7 1	8	237	0	0	10	4		11	5	16				
1987	5	1	6	369		9 1	10	271	đ	0	1	4		15	2	17	6			
1988	5	4	9	442		8 2	10	256	Ö	2	2	3		13	8	21	7			
1989	6	3	9	453		3 3	6	252	0	0	O	3		9	6	15	7			
Total																				
1980	149	45	194	1545	17	5 56	231	718	9	7	16	24		333	108	441	22			
1981	133	69	202	1268	14	8 44	192	670	7	10	17	15		288	123	411	19			
1982	124	52	176	1222	12	28 43	171	633	9	7	16	24		261	102	363	18			
1983	97	52	149	1334	10	0 41	141	644	3	5	8	27		200	98	298	20			
1984	103	54	157	1420	9	1 32	123	631	4	2	6	27		198	88	286	20			
1985	86	31	117	1330	10	2 33	135	695	3	6	9	16		191	70	261	20			
1986	58	32	90	1184	6	8 27	95	685	3	4	7	18		129	63	192	18			
1987	60	29	89	1250	1	3 22	95	763	2	4	6	19		135	55	190	20			
1988	51	28	79	1415	4	5 21	66	716	1	8	9	19		97	57	154	21			
1989	56	37	93	1455	3	9 29	68	707	6	1	7	23		101	67	168	21			

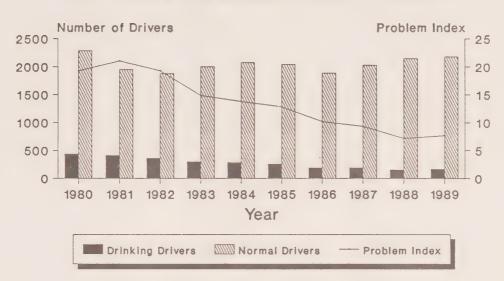
KEY: HBD -- Drivers reported by police to have been drinking

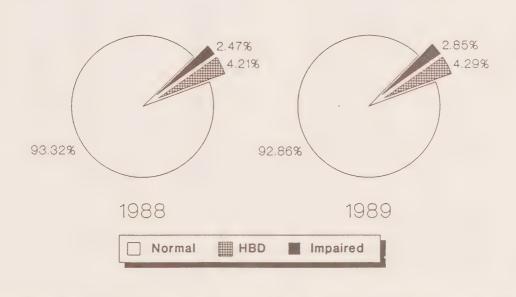
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D - Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RENFREW

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





RUSSELL

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Pe	F	ata	al		Total						
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	MP [D/D NO	OR	HBD	IMP	D/D	NOR
Male																
1980	25	5	30	223	29	7	36	92	2	0	2	2	56	12	68	31
1981	17	6	23	141	21	9	30	80	0	1	1	3	38	16	54	2
1982	27	11	38	190	17	8	25	92	2	0	2	1	46	19	65	2
1983	22	12	34	233	17	12	29	122	1	1	2	4	40	25	65	3
1984	18	7	25	209	21	9	30	123	2	0	2	5	41	16	57	3
1985	20	7	27	237	24	5	29	148	0	1	1	4	44	13	57	3
1986	11	5	16	245	26	11	37	118	0	1	1	4	37	17	54	3
1987	10	10	20	270	12	13	25	145	1	3	4	6	23	3 26	49	4
1988	17	2	19	279	12	7	19	118	2	2	4	2	31	11	42	3
1989	14	10	24	306	7	10	17	132	1	3	4	3	22	2 23	45	4
Femal	le															
1980	4	1	5	69	0	0	0	40	0	0	0	1	4	1	5	•
1981	3	1	4	46	3	0	3	36	0	0	0	1	(3 1	7	
1982	1	1	2	76	1	0	1	31	0	0	0	0	7	2 1	3	•
1983	0	1	1	84	2	1	3	48	0	0	0	3	1	2 2	4	
1984	2	0	2	101	2	0	2	47	0	0	0	1	4	0	4	
1985	2	1	3	91	3	1	4	83	0	0	0	1	!	5 2	7	
1986	0	4	4	111	3	2	5	53	0	0	0	0	;	3 6	9	
1987	2	0	2	102	0	1	1	52	0	0	0	1		2 1	3	,
1988	0	3	3	149	2	3	5	78	0	0	0	0		2 6	8	
1989	2	1	3	155	1	0	1	70	1	1	2	2		4 2	6	- 1
Total																
1980	29	6	35	292	29	7	36	132	2	0	2	3	6	13	73	
1981	20	7	27	187	24	9	33	116	0	1	1	4	4	4 17	61	
1982	28	12	40	266	18	8	26	123	2	0	2	1	4	8 20	68	
1983	22	13	35	317	19	13	32	170	1	1	2	7	4:	2 27	69	
1984	20	7	27	310	23	9	32	170	2	0	2	6	4	5 16	61	
1985	22	8	30	328	27	6	33	231	0	1	1	5	4	9 15	64	
1986	11	9	20	356	29	13	42	171	0	1	1	4	4	0 23	63	
1987	12	10	22	372	12	14	26	197	1	3	4	7	2	5 27	52	
1988	17	5	22	428	14	10	24	196	2	2	4	2	3	3 17	50	
1989	16	11	27	461	8	10	18	202	2	4	6	5	2	6 25	51	(

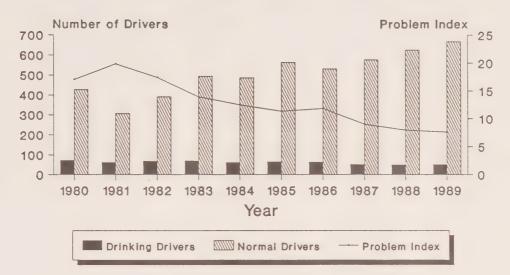
KEY: HBD -- Drivers reported by police to have been drinking

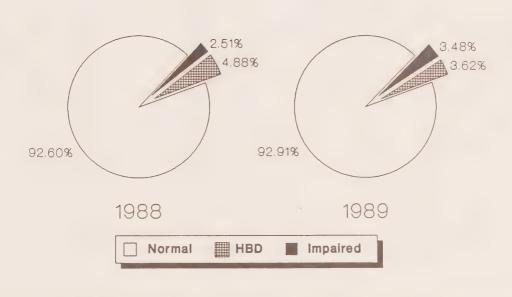
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RUSSELL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age		Personal Injury						Fata	al			Total					
&					٢										r						
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP I	D/D N	IOR		HBD	IMP	D/D	NOR		
Male																					
1980	310	156	466	3157		280	142	422	1775		10	11	21	18		600	309	909	495		
1981	253	156	409	3043		287	136	423	1572		9	12	21	32		549	304	853	464		
1982	225	140	365	3067		232	132	364	1544		5	4	9	37		462	276	738	464		
1983	239	136	375	2731		204	118	322	1400		2	11	13	37		445	265	710	416		
1984	232	157	389	3266		240	124	364	1666		8	11	19	33		480	292	772	496		
1985	197	111	308	3300		222	110	332	1765		7	9	16	25		426	230	656	509		
1986	176	106	282	3308		157	115	272	1796		5	7	12	32		338	228	566	51:		
1987	145	123	268	3455		167	148	315	2192		5	7	12	41		317	278	595	56		
1988	149	107	256	4406		147	105	252	2045		3	13	16	31		299	225	524	64		
1989	171	136	307	5068		122	118	240	2001		9	6	15	49		302	260	562	71		
Femal	е																				
1980	23	11	34	1208		42	10	52	746		1	0	Ü	7		66	21	87	19		
1981	25	17	42	1217		35	14	49	641		0	0	0	7		60	31	91	18		
1982	40	7	47	1271		39	8	47	662		0	0	0	10		79	15	94	19		
1983	37	9	46	1200		34	11	45	603		1	1	2	6		72	21	93	18		
1984	45	13	58	1446		37	9	46	735		2	0	2	8		84	22	106	21		
1985	21	12	33	1523		29	6	35	817		0	2	2	13		50	20	70	23		
1986	23	13	36	1466		29	8	37	922		1	0	1	12		53	21	74	24		
1987	14	8	22	1613		37	17	54	1095		0	1	1	15		51	26	77	27		
1988	26	10	36	2116		19	12	31	1055		1	1	2	8		46	23	69	31		
1989	22	19	41	2339		23	10	33	1138		1	1	2	12	░.	46	30	76	34		
Total																					
1980	333	167	500	4365		322	152	474	2521		11	11	22	25		666	330	996	69		
1981	278	173	451	4260		322	150	472	2213		9	12	21	39		609	335	944	65		
1982	265	147	412	4338		271	140	411	2206		5	4	19	47		541	291	832	65		
1983	276	145	421	3931		238	129	367	2003		3	12	15	43		517	286	803	59		
1984	277	170	447	4712		277	133	410	2401		10	11	21	41		564	314	878	7		
1985	218	123	341	4823		251	116	367	2582		7	11	18	38		476	250	726	74		
1986	199	119	318	4774		186	123	309	2718		6	7	13	44		391	249	640	7		
1987	159	131	290	5068		204	165	369	3287		5	8	13	56		368	304	672	84		
1988	175	117	292	6522		166	117	283	3100		4	14	18	39		345	248	593	96		
1989	193	155	348	7407		145	128	273	3139		10	7	17	61		348	290	638	106		

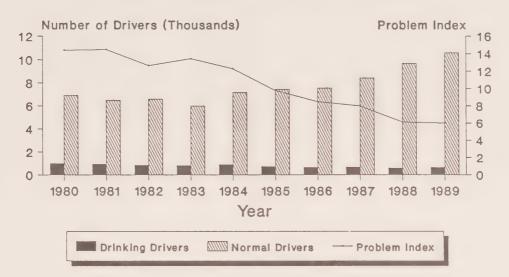
KEY: HBD -- Drivers reported by police to have been drinking

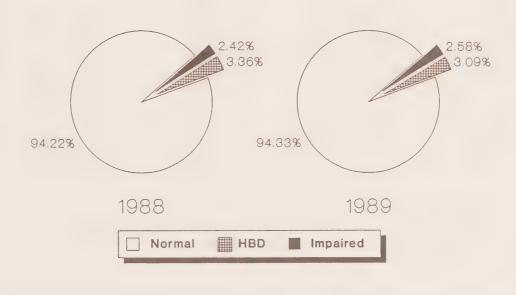
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

SIMCOE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	age	Personal Injury						F	ata	al			Total				
&																				
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IN	AP [D/D N	IOR	HBD	IMP	D/D	NOR		
Male																				
1980	71	33	104	1811		77	27	104	467		0	2	2	6	148	62	210	2284		
1981	64	44	108	945		90	23	113	485		0	1	1	4	154	68	222	1434		
1982	68	31	99	944		82	26	108	548		0	4	4	5	150	61	211	1497		
1983	53	41	94	932		60	25	85	458		0	4	4	9	113	70	183	1399		
1984	53	34	87	1049		56	22	78	463		1	1	2	3	110	57	167	1515		
1985	35	28	63	873		42	27	69	520		2	2	4	2	79	57	136	1395		
1986	34	25	59	852		42	28	70	451		1	5	6	2	77	58	135	1305		
1987	40	20	60	795		35	31	66	522		0	1	1	3	75	52	127	1320		
1988	26	17	43	897		18	20	38	530		1	2	3	6	45	39	84	1433		
1989	29	24	53	963		20	23	43	529		2	1	3	11	51	48	99	1503		
Femal	е																			
1980	8	5	9	374		4	2	6	187		0	0	0	3	12	3	15	564		
1981	12	1	13	324		8	0	8	216		0	0	0	1	20	1	21	541		
1982	3	2	5	325		10	1	11	196		0	0	0	2	13	3	16	523		
1983	8	1	9	337		10	1	11	207		1	2	3	1	19	4	23	545		
1984	6	4	10	413		12	0	12	195		0	0	0	0	18	4	22	608		
1985	8	2	10	342		5	1	6	222		0	0	0	3	13	3	16	567		
1986	1	3	4	380		5	4	9	206		0	1	1	2	6	8	14	588		
1987	4	4	8	374		6	3	9	234		0	0	0	2	10	7	17	610		
1988	3	3	6	372		5	2	7	238		0	0	0	1	8	5	13	611		
1989	3		4	455		5	2	7	254		Ö	1	1	6	8	4	12	715		
Total																				
1980	79	34	113	2185		81	29	110	654		0	2	2	9	160	65	225	2848		
1981	76	45	121	1269		98	23	121	701		0	1	1	5	174	69	243	1975		
1982	71	33	104	1269		92	27	119	744		0	4	4	7	163	64	227	2020		
1983	61	42	103	1269		70	26	96	665		1	6	7	10	132	74	206	1944		
1984	59	38	97	1462		68	22	90	658		1	1	2	3	128	61	189	2123		
1985	43	30	73	1215		47	28	75	742		2	2	4	5	92	60	152	1962		
1986	35	28	63	1232		47	32	79	657		1	6	7	4	83	66	149	1893		
1987	44	24	68	1169		41	34	75	756		0	1	1	5	85	59	144	1930		
1988	29	20	49	1269		23	22	45	768		1	2	3	7	53	44	97	2044		
1989	32	25	57	1418		25	25	50	783		2	2	4	17	59	52	111	2218		

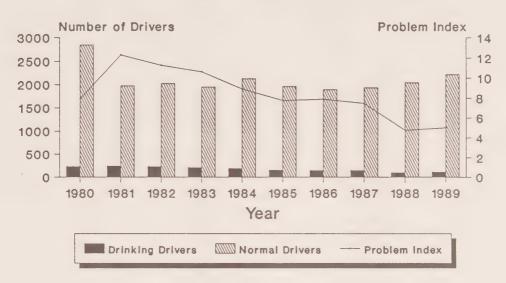
KEY: HBD -- Drivers reported by police to have been drinking

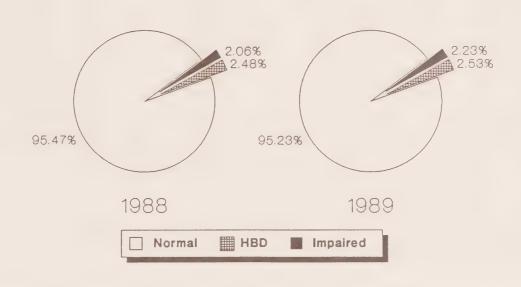
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

STORMONT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





SUDBURY DISTRICT & REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

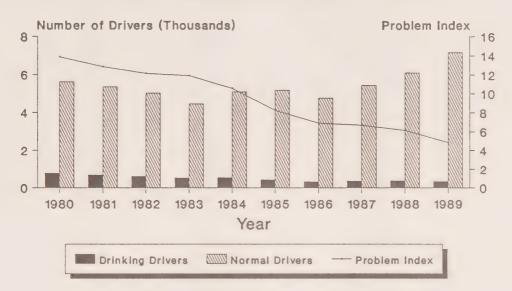
Year	Prop	erty	Dama	ige	Pe		Fat	al			Total						
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD I	MP	D/D 1	NOR	░.	HBD	IMP	D/D	NOR
Male																	
1980	206	146	352	2674	212	139	351	1549	4	20	24	26		422	305	727	4249
1981	198	105	303	2571	184	112	296	1368	6	13	19	35		388	230	618	3974
1982	161	122	283	2462	166	89	255	1207	2	9	11	16		329	220	549	3685
1983	133	85	218	1997	132	100	232	1160	6	15	21	18		271	200	471	3175
1984	141	81	222	2295	139	115	254	1343	3	11	14	30		283	207	490	3668
1985	92	60	152	2204	125	83	208	1478	8	7	15	28		225	150	375	3710
1986	71	44	115	1934	88	71	159	1400	6	8	14	28		165	123	288	3362
1987	74	57	131	2174	100	78	178	1573	4	8	12	18		178	143	321	3765
1988	90	61	151	2722	89	73	162	1478	4	9	13	27		183	143	326	4227
1989	87	69	156	3175	65	85	150	1671	1	5	6	26		153	159	312	4872
Femal	e			000000000000000000000000000000000000000													
1980	11	11	22	835	19	11	30	531	0	0	0	7		30	22	52	1373
1981	22	10	32	856	19	17	36	519	1	1	2	8		42	28	70	1383
1982	21	5	26	830	27	5	32	498	0	1	1	6		48	11	59	1334
1983	16	9	25	739	19	14	33	535	0	0	0	6		35	23	58	1280
1984	18	4	22	826	18	6	24	588	1	0	1	5		37	10	47	1419
1985	14	5	19	809	19	13	32	651	0	0	0	8		33	18	51	1468
1986	14	5	19	771	16	6	22	634	0	0	0	4		30	11	41	1409
1987	9	3	12	930	20	8	28	737	1	1	2	10	∭.	30	12	42	1677
1988	14	5	19	1110	16	10	26	746	- 1	1	2	11		31	16	47	1867
1989	5	6	11	1432	14	10	24	863	0	0	0	6		19	16	35	230
Total																	
1980	217	157	374	3509	231	150	381	2080	4	20	24	33		452	327	779	562
1981	220	115	335	3427	203	129	332	1887	7	14	21	43		430	258	688	535
1982	182	127	309	3292	193	94	287	1705	2	10	12	22		377	231	608	5019
1983	149	94	243	2736	151	114	265	1695	6	15	21	24		306	223	529	445
1984	159	85	244	3121	157	121	278	1931	4	11	15	35		320	217	537	508
1985	106	65	171	3013	144	96	240	2129	8	7	15	36		258	168	426	5178
1986	85	49	134	2705	104	77	181	2034	6	8	14	32		195	134	329	477
1987	83	60	143	3104	120	86	206	2310	5	9	14	28		208	155	363	5442
1988	104	66	170	3832	105	83	188	2224	5	10	15	38		214	159	373	6094
1989	92	75	167	4607	79	95	174	2534	1	5	6	32		172	175	347	7173

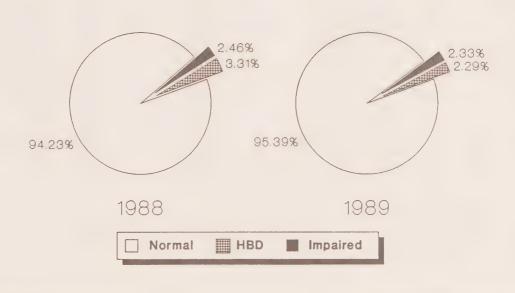
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

SUDBURY DISTRICT & REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Property Damage					Per	sona	i Injur	у	Fatal						Total				
&															r					
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP I	D/D I	NOR		HBD	IMP	D/D	NOR	
Male																				
1980	245	186	431	3279		208	122	330	1238		8	10	18	35		461	318	779	4552	
1981	257	152	409	2940		178	115	293	1218		4	9	13	22		439	276	715	4180	
1982	166	129	295	2985		141	106	247	1088		5	5	10	9		312	240	552	4082	
1983	184	127	311	2887		139	111	250	1158		5	9	14	25		328	247	575	4070	
1984	186	147	333	2983		163	121	284	1288		5	7	12	20		354	275	629	4291	
1985	159	109	268	2744		125	88	213	1222		3	8	11	20		287	205	492	3986	
1986	97	87	184	2561		92	81	173	1400		4	7	11	22		193	175	368	3983	
1987	112	79	191	2376		96	94	190	1322		1	4	5	18		209	177	386	3716	
1988	96	78	174	2969		73	54	127	1171		5	5	10	23		174	137	311	4163	
1989	83	103	186	3145		75	57	132	1156		4	1	5	21		162	161	323	4322	
Femal	le																			
1980	30	8	38	1088		35	11	46	464		0	1	1	6		65	20	85	1558	
1981	20	19	39	1003		29	16	45	472		0	0	0	4		49	35	84	1479	
1982	18	14	32	1009		16	9	25	461		1	0	1	2		35	23	58	1472	
1983	24	9	33	1144		28	13	41	541		0	1	1	5		52	23	75	1690	
1984	22	24	46	1226		28	14	42	556		1	0	1	4		51	38	89	1786	
1985	21	17	38	1156		17	5	22	561		0	0	0	4		38	22	60	1721	
1986	12	10	22	1171		21	12	33	633		0	1	1	6		33	23	56	1810	
1987	13	13	26	1024		17	19	36	681		0	0	0	4		30	32	62	1709	
1988	15	17	32	1304		11	2	13	666		0	0	0	9		26	19	45	1979	
1989	14	8	22	1458		11	9	20	695		0	0	0	1		25	17	42	2154	
Total																				
1980	275	194	469	4367		243	133	376	1702		8	11	19	41		526	338	864	6110	
1981	277	171	448	3943		207	131	338	1690		4	9	13	26		488	311	799	5659	
1982	184	143	327	3994		157	115	272	1549		6	5	11	11		347	263	610	5554	
1983	208	136	344	4031		167	124	291	1699		5	10	15	30		380	270	650	5760	
1984	208	171	379	4209		191	135	326	1844		6	7	13	24		405	313	718	6077	
1985	180	126	306	3900		142	93	235	1783		3	8	11	24		325	227	552	5707	
1986	109	97	206	3732		113	93	206	2033		4	8	12	28		226	198	424	5793	
1987	125	92	217	3400		113	113	226	2003		1	4	5	22		239	209	448	5425	
1988	111	95	206	4273		84	56	140	1837		5	5	10	32		200	156	356	6142	
1989	97	111	208	4603		86	66	152	1851		4	1	5	22		187	178	365	6478	

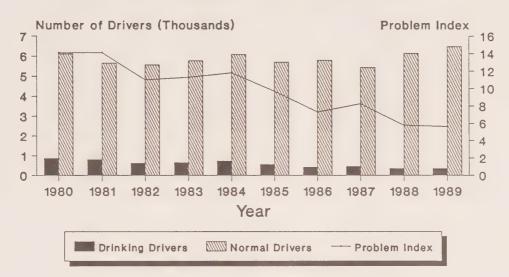
KEY: HBD -- Drivers reported by police to have been drinking

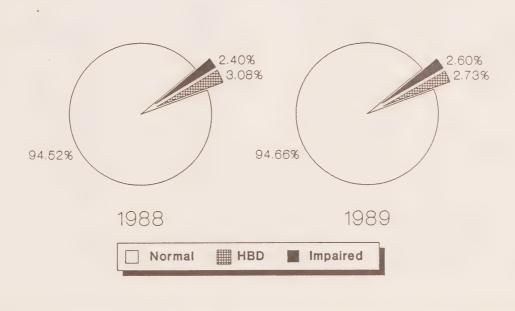
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

THUNDER BAY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





TIMISKAMING

Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	erty	Dama	ige	Pei	rsona	l Injur	y	F	ata	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD IN	MP D)/D N	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	23	99	654	53	21	74	245	2	7	9	11	131	51	182	910
1981	59	37	96	610	66	25	91	262	2	3	5	10	127	65	192	88
1982	54	18	72	604	48	14	62	245	2	5	7	9	104	37	141	85
1983	59	28	87	505	48	12	60	237	0	3	3	4	107	43	150	74
1984	49	15	64	541	35	12	47	212	1	1	2	3	85	28	113	75
1985	39	17	56	504	47	15	62	263	1	0	1	5	87	32	119	77
1986	23	12	35	496	32	8	40	227	0	5	5	11	5.5	5 25	80	73
1987	21	13	34	490	23	15	38	259	1	0	1	8	4	5 28	73	75
1988	20	18	38	640	24	12	36	235	0	1	1	4	4	31	75	87
1989	18	9	27	611	10	10	20	241	1	0	1	5	25	19	48	85
Fema	le															
1980	8	1	9	163	4	2	6	87	O	0	0	2	1:	2 3	15	2
1981	11	3	14	160	3	0	3	98	Ø	1	1	2	1.	4 4	18	2
1982	1	2	3	166	10	4	14	71	Ö	1	ñ	4	1	1 7	18	2
1983	3	0	3	172	2	3	5	71	Ö	2	2	2		5 5	10	2
1984	3	3	6	178	4	2	6	83	0	0	Ö	1		7 5	12	2
1985	3	1	4	160	5	0	5	79	0	0	0	0		3 1	9	2
1986	3	1	4	162	1	1	2	113	0	0	O	0		4 2	6	2
1987	1	1	2	181	5	4	9	89	1	0	1	1		7 5	12	2
1988	1	4	5	201	2	0	2	101	0	0	0	0		3 4	7	3
1989	2	2	4	249	1	3	4	92	1	0	_1	0		4 5	9	3
Total				000000000000000000000000000000000000000								000000000000000000000000000000000000000				
1980	84	24	108	817	57	23	80	332	2	7	9	13	14	3 54	197	11
1981	70	40	110	770	69	25	94	360	2	4	6	12	14	1 69	210	11
1982	55	20	75	770	58	18	76	316	2	6	8	13	11	5 44	159	10
1983	62	28	90	677	50	15	65	308	0	5	5	6	11	2 48	160	9
1984	52	18	70	719	39	14	53	295	1	1	2	4	9	2 33	125	10
1985	42	18	60	664	52	15	67	342	1	0	1	5	9	5 33	128	10
1986	26	13	39	658	33	9	42	340	0	5	5	11	5	9 27	86	10
1987	22	14	36	671	28	19	47	348	2	0	2	9	5	2 33	85	10
1988	21	22	43	841	26	12	38	336	0	1	1	4	4	7 35	82	11
1989	20			860	11	13	24	333	2	0	2	5	3	3 24	57	11

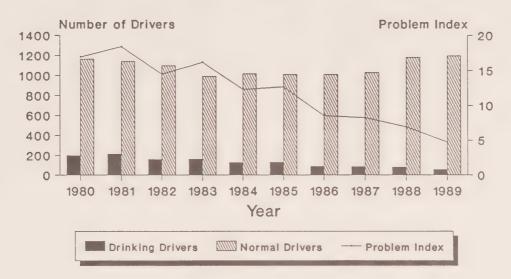
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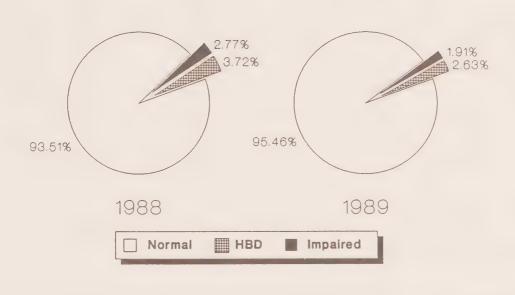
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TIMISKAMING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





METROPOLITAN TORONTO & YORK REGION

Drivers Involved in Traffic Crashes, 1980 - 1989

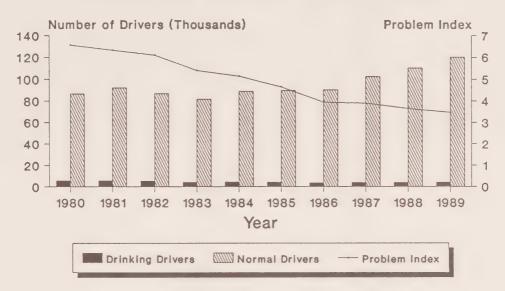
Year	Prop	erty	rty Damage			e Personal Injury				Fatal					Total				
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP	D/D I	NOR		HBD	IMP	D/D	NOR
Male																			
1980	1518	1236	2754	43566		1171	1161	2332	23004		22	32	54	151		2711	2429	5140	66721
1981	1572	1280	2852	46696		1188	1155	2343	24316		14	25	39	132		2774	2460	5234	71144
1982	1449	1110	2559	43796		1106	1068	2174	22988		22	23	45	122		2577	2201	4778	66906
1983	1186	894	2080	39796		944	885	1829	21912		17	30	47	114		2147	1809	3956	61822
1984	1241	935	2176	42777		971	918	1889	24226		16	32	48	125		2228	1885	4113	67128
1985	906	753	1659	38373		1047	968	2015	28740		11	33	44	142		1964	1754	3718	67255
1986	801	648	1449	38018		876	853	1729	29295		16	21	37	123		1693	1522	3215	67436
1987	888	656	1544	42702		976	998	1974	33137		14	22	36	155		1878	1676	3554	75994
1988	1060	755	1815	51579		927	840	1767	30141		21	34	55	177		2008	1629	3637	81897
1989	1173	854	2027	58566		915	814	1729	29723		25	16	41	163		2113	1684	3797	88452
Femal	е																		
1980	144	107	251	12313		161	114	275	7217		1	3	4	48		306	224	530	19578
1981	158	112	270	13189		184	137	321	7703		2	2	4	24		344	251	595	20916
1982	138	97	235	12671		161	114	275	7213		3	4	7	27		302	215	517	19911
1983	129	88	217	12207		124	100	224	7509		0	1	1	27		253	189	442	19743
1984	120	101	221	13356		120	99	219	8209		1	1	2	29		241	201	442	21594
1985	105	82	187	12103		139	107	246	10149		4	2	6	31		248	191	439	22283
1986	89	72	161	12271		94	80	174	10652		0	5	5	24		183	157	340	22947
1987	102	78	180	14143		141	106	247	12221		2	2	4	38		245	186	431	26402
1988	135	64	199	16983		107	83	190	11396		2	1	3	31		244	148	392	28410
1989	129	78	207	20181		81	84	165	11459		1	2	3	40		211	164	375	31680
Total																			
1980	1662	1343	3005	55879		1332	1275	2607	30221		23	35	58	199		3017	2653	5670	86299
1981	1730	1392	3122	59885		1372	1292	2664	32019		16	27	43	156		3118	2711	5829	92060
1982	1587	1207	2794	56467		1267	1182	2449	30201		25	27	52	149		2879	2416	5295	86817
1983	1315	982	2297	52003		1068	985	2053	29421		17	31	48	141		2400	1998	4398	81565
1984	1361	1036	2397	56133		1091	1017	2108	32435		17	33	50	154		2469	2086	4555	88722
1985	1011	835	1846	50476		1186	1075	2261	38889		15	35	50	173		2212	1945	4157	89538
1986	890	720	1610	50289		970	933	1903	39947		16	26	42	147		1876	1679	3555	90383
1987	990	734	1724	56845		1117	1104	2221	45358		16	24	40	193		2123	1862	3985	102396
1988	1195	819	2014	68562		1034	923	1957	41537		23	35	58	208		2252	1777	4029	110307
1989	1302	932	2234	78747		996	898	1894	41182		26	18	44	203		2324	1848	4172	120132

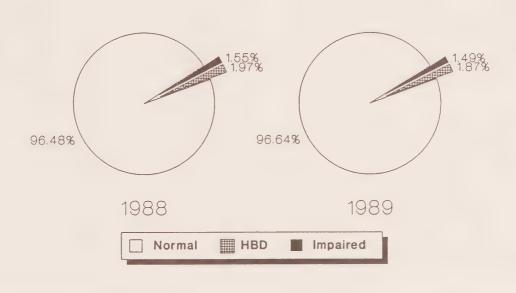
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METROPOLITAN TORONTO & YORK REGION Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Prop	ige		Per	sona	l Inju	ry	F	ata	al		Total					
8.																	
Sex	HBD	IMP	D/D	NOR	HE	D	IMP	D/D	NOR	HBD IN	AP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																	
1980	64	29	93	564		81	17	98	316	2	2	4	6	147	48	195	886
1981	70	24	94	552		71	18	89	294	4	2	6	7	145	44	189	853
1982	57	22	79	511		80	21	101	290	2	3	5	8	139	46	185	809
1983	51	20	71	523		81	28	109	275	0	4	4	7	132	52	184	805
1984	51	24	75	603		66	19	85	282	5	3	8	6	122	2 46	168	891
1985	46	21	67	584		53	15	68	343	2	3	5	9	101	39	140	936
1986	26	16	42	615		47	21	68	367	2	5	7	12	75	42	117	994
1987	41	23	64	611		61	14	75	420	3	1	4	4	105	38	143	1035
1988	42	20	62	788		42	21	63	456	4	2	6	10	84	43	131	1254
1989	53	21	74	920		42	19	61	432	1	4	5	5	96	3 44	140	1357
Femal	е																
1980	8	1	9	207		7	1	8	121	0	0	0	3	18	5 2	17	331
1981	4	2	6	210		15	2	8	145	0	0	0	2	10) 4	14	357
1982	5	1	6	186		9	2	11	129	Ó	4	4	2	14	7	21	317
1983	7	4	11	231		7	3	10	151	0	0	0	1	14	7	21	383
1984	4	4	8	245		10	0	10	158	0	1	1	3	14	5	19	406
1985	6	1	7	204		9	4	13	156	0	0	0	4	15	5 5	20	364
1986	5	3	8	240		6	3	9	154	0	0	0	0	1	6	17	394
1987	5	2	7	313		В	4	12	204	0	1	_ 1	2	13	3 7	20	519
1988	4	1	5	413		10	4	14	257	0	0	0	7	14	5	19	677
1989	7	1	8	455		6	0	6	243	1	0	1	2	14	1 1	15	700
Total																	
1980	72	30	102	771		88	18	106	437	2	2	4	9	16	2 50	212	1217
1981	74	26	100	762		77	20	97	439	4	2	6	9	15	5 48	203	1210
1982	62	23	85	697		89	23	112	419	2	7	9	10	15	3 53	206	1126
1983	58	24	82	754		88	31	119	426	0	4	4	8	14	5 59	205	1188
1984	55	28	83	848		76	19	95	440	5	4	9	9	13	5 51	187	1297
1985	52	22	74	788		62	19	81	499	2	3	5	13	110	6 44	160	1300
1986	31	19	50	855		53	24	77	521	2	5	7	12	84	3 48	134	1388
1987	46	25	71	924		69	18	87	624	3	2	5	6	118	3 45	163	1554
1988	46	21	67	1201		52	25	77	713	4	2	6	17	103	2 48	150	1931
1989	60	22	82	1375		48	19	67	675	2	4	6	7	110	45	155	2057

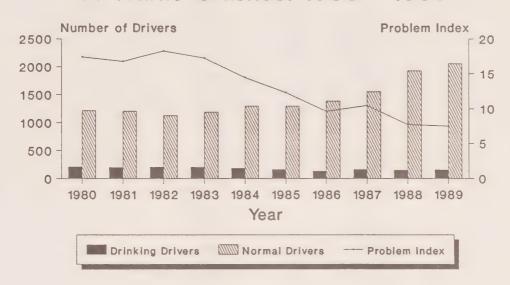
KEY: HBD -- Drivers reported by police to have been drinking

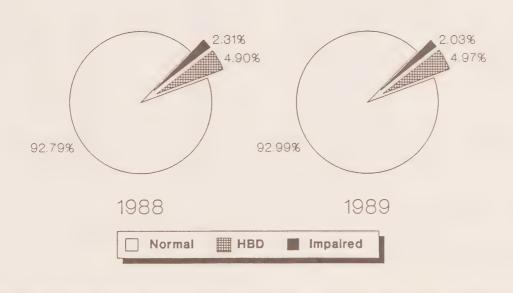
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

VICTORIA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Property Damage					Per	sona		Fat	al		Total						
8.																		
Sex	нво	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	HBD I	MP	D/D I	NOR		HBD	IMP	D/D	NOR
Male																		
1980	345	194	539	4996		265	182	447	2341	7	12	19	21		617	388	1005	7358
1981	343	190	533	4896		242	202	444	2076	6	7	13	29		591	399	990	7001
1982	298	168	466	4992		223	154	377	2047	8	7	15	21		529	329	858	7060
1983	221	159	380	4489		194	146	340	2035	4	9	13	23		419	314	733	6547
1984	232	151	383	4857		211	172	383	2319	9	5	14	16		452	328	780	7192
1985	192	146	338	4521		216	158	374	2788	5	12	17	21		413	316	729	7330
1986	179	113	292	4595		171	163	334	2893	4	6	10	20		354	282	636	7508
1987	172	123	295	5062		184	169	353	3252	4	7	11	33		360	299	659	8347
1988	183	163	346	5960		153	156	309	3054	5	4	9	26		341	323	664	9040
1989	173	157	330	6307		102	156	258	2910	6	3	9	26		281	316	597	9243
Femal	le																	
1980	39	19	58	1849		32	14	46	967	1	0	1	10		72	33	105	2826
1981	47	10	57	1940		28	15	43	912	0	0	0	3		75	25	100	2855
1982	39	12	51	2062		31	16	47	886	0	1	1	6		70	29	99	2954
1983	31	21	52	1902		29	14	43	982	0	0	0	7		60	35	95	2891
1984	40	13	53	2143		30	16	46	1053	0	0	0	4		70	29	99	3200
1985	17	15	32	2046		28	23	51	1305	0	0	0	6		45	38	83	3357
1986	17	7	24	2056		15	17	32	1389	0	0	0	6		32	24	56	3451
1987	18	14	32	2297		24	13	37	1610	0	1	1	6		42	28	70	3913
1988	22	19	41	2740		24	20	44	1566	1	0	1	11		47	39	86	4317
1989	20	15	35	2970		23	12	35	1569	0	0	0	7		43	27	70	4546
Total																		
1980	384	213	597	6845		297	196	493	3308	8	12	20	31		689	421	1110	10184
1981	390	200	590	6836		270	217	487	2988	6	7	13	32		666	424	1090	9856
1982	337	180	517	7054		254	170	424	2933	8	8	16	27		599	358	957	10014
1983	252	180	432	6391		223	160	383	3017	4	9	13	30		479	349	828	9438
1984	272	164	436	7000		241	188	429	3372	9	5	14	20		522	357	879	10392
1985	209	161	370	6567		244	181	425	4093	5	12	17	27		458	354	812	10687
1986	196	120	316	6651		186	180	366	4282	4	6	10	26		386	306	692	10959
1987	190	137	327	7359		208	182	390	4862	4	8	12	39		402	327	729	12260
1988	205	182	387	8700		177	176	353	4620	6	4	10	37		388	362	750	13357
1989	193	172	365	9277		125	168	293	4479	6	3	9	33		324	343	667	13789

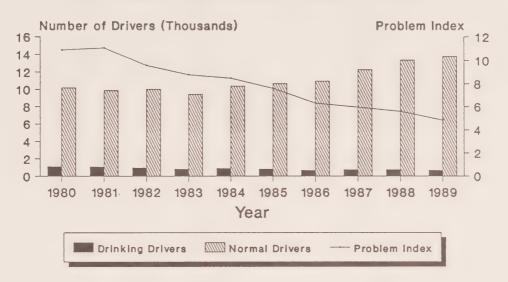
KEY: HBD -- Drivers reported by police to have been drinking

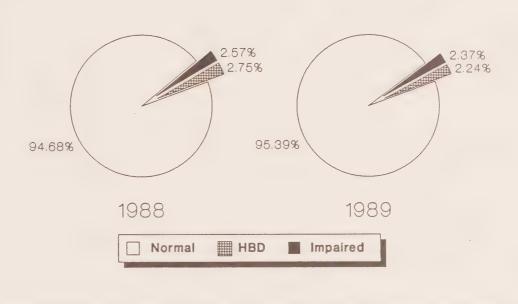
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

WATERLOO

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989





Drivers Involved in Traffic Crashes, 1980 - 1989

Year	Property Damage					e Personal Injury						Fatal					Total			
&					٢															
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IN	AP I	D/D N	NOR		HBD	IMP	D/D	NOR	
Male																				
1980	160	69	229	1730		120	63	183	851		11	5	16	16		291	137	428	2597	
1981	136	52	188	1586		138	52	190	894		5	6	11	19		279	110	389	2499	
1982	136	54	190	1663		132	55	187	962		5	6	11	19		273	115	388	2644	
1983	128	51	179	1577		132	48	180	890		6	4	10	24		266	103	369	2491	
1984	127	60	187	1841		116	58	174	941		6	6	12	19		249	124	373	2801	
1985	72	44	116	1659		118	48	166	1181		3	8	11	26		193	100	293	2866	
1986	95	28	123	1705		88	36	124	1257		2	4	6	16		185	68	253	2978	
1987	80	36	116	1869		105	51	156	1454		5	8	13	16		190	95	285	3339	
1988	71	54	125	2306		72	49	121	1428		2	7	9	38		145	110	255	3772	
1989	85	40	125	2304		71	57	128	1246		5	1	6	34	░ -	161	98	259	3584	
Fema	le																			
1980	12	5	17	631		9	2	11	365		10	0	Ю	2		21	7	28	998	
1981	16	7	23	634		20	2	22	361		2	0	2	2		38	9	47	997	
1982	14	3	17	664		13	3	16	397		- 1	0	1	5		28	6	34	1066	
1983	11	6	17	662		20	6	26	386		2	0	2	4		33	12	45	1052	
1984	25	5	30	743		14	9	23	426		0	0	0	7		39	14	53	1176	
1985	7	7	14	719		12	8	20	518		1	1	2	10		20	16	36	1247	
1986	10	2	12	693		21	6	27	604		- 1	1	2	6		32	9	41	1303	
1987	8	4	12	761		16	3	19	690		0	1	3	8		24	8	32	1459	
1988	11	4	15	1111		24	3	27	674		1	0	1	9		36	7	43	1794	
1989	4	5	9	1141		21	5	26	686		0	0	10	8	∭.	25	10	35	1835	
Total																				
1980	172	74	246	2361		129	65	194	1216		11	5	16	18		312	144	456	3595	
1981	152	59	211	2220		158	54	212	1255		7	6	13	21		317	119	436	3496	
1982	150	57	207	2327		145	58	203	1359		6	6	12	24		301	121	422	3710	
1983	139	57	196	2239		152	54	206	1276		8	4	12	28		299	115	414	3543	
1984	152	65	217	2584		130	67	197	1367		6	6	12	26		288	138	426	3977	
1985	79	51	130	2378		130	56	186	1699		4	9	13	36		213	116	329	4113	
1986	105	30	135	2398		109	42	151	1861		3	5	8	22		217	77	294	4281	
1987	88	40	128	2630		121	54	175	2144		5	9	14	24		214	103	317	4798	
1988	82	58	140	3417		96	52	148	2102		3	7	10	47		181	117	298	5566	
1989	89	45	134	3445		92	62	154	1932		5	1	6	42		186	108	294	5419	

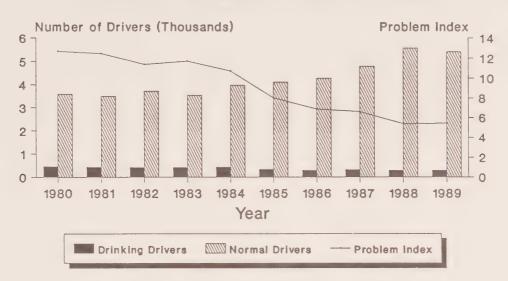
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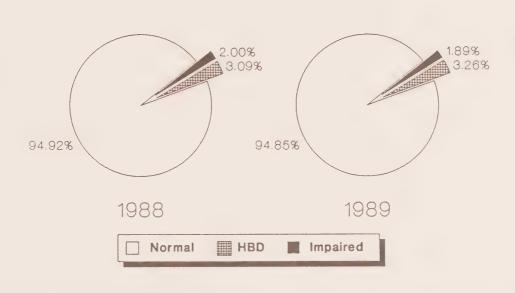
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

WELLINGTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989









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DRINKING & DRIVING IN ONTARIO

Statistical Yearbook 1990

Drinking/Driving Countermeasures Office
Ministry of the Attorney General





DRINKING & DRIVING IN ONTARIO

Statistical Yearbook 1990

November 1991

Prepared by: **Traffic Injury Research Foundation of Canada**

171 Nepean Street Ottawa, Ontario

K2P 0B4

Prepared for: Drinking/Driving Countermeasures

Ministry of the Attorney General

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Toronto, Ontario

M5G 2K1



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1.0 INTRODUCTION

1.1 Background

The success of efforts to reduce the magnitude of problems associated with driving after drinking witnessed during the decade of the 1980s gave the people of Ontario every reason to be optimistic that further progress would be made during the 1990s. The various agencies and people who first responded to drinking and driving problems -- governments, law enforcement, industry, and organizations like People to Reduce Impaired Driving Everywhere (PRIDE) -- had grown and matured in their understanding of the problem and the approach to countermeasures. They came to realize that the problem was complex and required a multifaceted, comprehensive set of countermeasures. They also recognized that significant change in the magnitude of the problem required coordinated, long-term efforts at the community level. Their commitment has been unfailing and their efforts have not gone unrewarded. Now, as we enter the 1990s, their continued leadership is needed to sustain the battle.

The collective success of drinking-driving countermeasure efforts in Ontario over the past several years is reflected in statistics on drinking-driving. The report provides substantial evidence of the progress that has been made. But it is critical that this success not breed complacency. The momentum must be sustained -- while the statistics give cause for satisfaction, at the same time they underscore the substantial distance yet to go in the battle against drinking and driving. The number of people killed and injured on Ontario's roadways as a result of driving after drinking remains unacceptably high. Every year, thousands of lives are irreparably altered by the tragedy of a drinking driver.

To a large extent, success in the war against drinking-driving has been confined to the easy victories -- enforcement and persuasive techniques have converted those most accepting of the message, those easiest to change. Our efforts have been heard and heeded by those who were willing to listen. But research indicates that there remains a "hard-core" of drinking drivers who persist in their behaviour despite repeated efforts to the contrary. Many of these individuals can

be classified as heavy, if not problem, drinkers. The challenge for the next decade is to effect change among this group. New, bolder initiatives are necessary to reach those who are least likely to listen, those most resistant to change. This will undoubtedly involve charting new social and legislative territory. The success of past efforts, however, should provide the encouragement and strength to face, and conquer, this most significant challenge.

1.2 Why a "Statistical" Yearbook?

Statistics on impaired driving are a "window" through which one can view part of the reality of drinking and driving, at least in aggregate. To achieve the greatest impact possible from countermeasure activities, there is periodic need for **information** to monitor progress, to reassess strategies and tactics, and to direct efforts more effectively. In this way, however cold-hearted they seem, statistics on drinking and driving serve a most worthwhile function.

Ontario has many sources of information on drinking and driving that offer insights into the magnitude of this problem and the characteristics of those who drive after drinking. Given the quality of data available, it is also possible to monitor drinking-driving over time and thus describe trends in the alcohol-crash problem.

One aim of the Drinking/Driving Countermeasures Office is to provide useful information to people concerned about drinking and driving, particularly those active in communities across Ontario. In keeping with this aim, the main purpose of this, the fourth statistical report on drinking-driving in Ontario, is to give ready access to data descriptive of drinking-driving problems in the province as a whole, as well as in each of Ontario's counties and regional municipalities.

Despite the apparent utility of this information, there is a risk in publishing these statistics: numbers of drinking drivers involved in traffic crashes may seem "insignificant" in some areas, especially in counties with lesser populations. The complacency induced by the "small" numbers of crashes caused by impaired drivers in a community can be a disservice to many residents: to the victims **and** to their families, friends, and employers. Of course, when the toll of deaths,

injuries, and property damage for Ontario as a whole is examined, the problem of drinking and driving appears as it is -- a very large, *intolerable* burden of loss and waste.

1.3 Scope of This Report

This report presents data on the number of drinking drivers involved in motor vehicle collisions in Ontario for the year 1990. The following section provides an overview of traffic crash and drinking-driving statistics. It describes the sources of data, definition of the terms and measures used in this report, as well as the limitations of the data.

More detailed descriptions of the data, a review of the magnitude and characteristics of the problem in Ontario, and trends in drinking and driving are presented in Section 3. To a large extent, the descriptions of the data rely on charts and graphs to convey the information. The text that accompanies these charts is provided to help guide readers through the seemingly endless array of numbers. As well, prominent findings and changes from previous years are highlighted.

The bulk of the data are contained in a series of tables and figures in the Appendices. Appendix A presents aggregate data for the whole province. Appendix B contains detailed information about crash-involved drinking drivers in each county and regional municipality in Ontario.



2.0 AN OVERVIEW OF DRINKING AND DRIVING STATISTICS

2.1 Understanding Traffic Crash Statistics

Generally speaking, statistics can be confusing; statistics on traffic crashes can be bewildering. To some extent, at the root of the confusion is the similarity and apparent overlap of terms and definitions used to represent various aspects of the data. For example, the terms "fatal crashes", "drivers involved in fatal crashes", "fatally injured drivers", and "traffic fatalities" are only some of the terms used in this report to describe fatal traffic crashes in Ontario. Despite the similarity of the terms, each represents a slightly different aspect of the problem. It is, however, important to understand that **the terms are not synonymous and cannot be used interchangeably**.

The term "fatal crash" refers to a traffic collision in which one or more persons die. In every fatal motor vehicle crash, there are one or more "drivers involved". If an involved driver is killed, he or she is a "fatally injured driver". All persons killed, whether they are drivers, passengers, pedestrians, or bicyclists, comprise "traffic fatalities". To assist in understanding these and the implications of each, consider the following cases:

- A car with a single occupant (driver) strikes and kills a pedestrian. This was a fatal crash; there was one traffic fatality (victim -- the pedestrian); there was one driver involved in this fatal crash but no fatally injured driver.
- A car with a single occupant (driver) collides with another vehicle containing a driver and a passenger. Only the passenger dies. Again, this was a fatal crash; two drivers were involved in the fatal crash but they both survived; there was one traffic fatality.
- A car with a driver and passenger collides with a van, occupied by the driver and three passengers. The driver and two of the passengers in the van are killed. Again, there was one fatal crash. Two drivers were involved in this fatal crash and one was fatally injured. There were three traffic fatalities. To summarize, this latter example contains:

- one fatal crash;
- two drivers involved in a fatal crash;
- one fatally injured driver; and,
- a total of three traffic fatalities.

To pursue this illustration further, if a countermeasure were introduced that could have prevented this latter collision, it would have:

- eliminated a single "fatal crash";
- reduced the "number of drivers involved in fatal crashes" by two;
- reduced the number of "fatally injured drivers" by one; and,
- reduced the total number of "traffic fatalities" by three.

Again, the terms described above are decidedly not the same. Unfortunately, persons unfamiliar with the definitions often *take results based on one indicator* and inappropriately apply them to another. Readers are urged to become familiar with these definitions as well as the definitions of other terms used in this report. Definitions are presented in the following section.

2.2 Drinking/Driving Statistics: Definitions

To aid in the understanding and interpretation of the numbers contained in this report, the following definitions and descriptive comments are provided.

2.2.1 Drivers Involved in Traffic Crashes. Data on the number of **drivers** involved in traffic crashes reported by police are the basis from which information about drinking drivers is derived. It is important to bear in mind that **drivers**, not crashes, form the basic "unit of analysis". For example, in any given crash reported by the police, there may be more than one driver involved. Wherever possible, information about alcohol use is reported for all drivers, even if there are several drivers involved in the crash. Unfortunately, in numerous cases, a judgement concerning the use of alcohol by drivers is not made. In addition, the investigating police officer may determine that some other factor -e.g., driver fatigue, medical or physical defect -- would more accurately describe the condition of the driver. These latter cases are not included in the statistics reported in this volume.

It is recognized that counting drivers, not crashes, may underestimate the extent of the alcohol-crash problem. For example, for every drinking driver involved in a multiple-vehicle collision, there is likely to be at least one other non-drinking driver involved. Hence, the counting of all drivers, regardless of fault, appears to inflate the number of non-drinking drivers involved in alcohol-related collisions. Nevertheless, counting drivers, not crashes, more accurately reflects the extent of alcohol use by drivers who become involved in crashes.

Drivers involved in crashes are divided into three groups on the basis of information about their use of alcohol as reported by investigating police officers:

- ◆ **Normal** (NOR): Driver's condition was apparently normal; i.e., in the opinion of the investigating officer, the driver had *not* been drinking.
- ◆ Had Been Drinking (HBD): Driver had consumed alcohol but, in the opinion of the investigating officer, did not have a blood alcohol concentration (BAC) over the legal limit, nor was the driver otherwise impaired by alcohol.
- ◆ Ability to Drive Impaired by Alcohol (IMP): Driver had a BAC over the legal limit (80 mg%) or was judged impaired by alcohol by the investigating officer.

In addition, drivers in the second and third groups above have been combined in a category termed **Drinking Drivers** (D/D). The term **drinking drivers**, then, refers to all crash-involved drivers reported to have consumed alcohol, that is, to have a positive BAC.

In the tables, the total number of drivers involved in crashes can be obtained by adding the number of drinking drivers (D/D) to the number of normal drivers (NOR).

Information about the severity of crashes in which drivers were involved correspond to those used by the police and the Ministry of Transportation.

◆ **Property Damage**: Crashes that result in damage to property but no reported injury to persons involved. Crashes causing \$700 or more damage are by law "reportable" by police.

- ♦ **Personal Injury**: Crashes that result in injury to one or more persons involved, but no person *died* of injuries sustained in the crash within thirty days. Of course, personal injury crashes usually cause damage to property, too.
- Fatal: One or more persons involved in a crash die of the injuries sustained, within thirty days. Nonfatal injury to others as well as property damage may also occur in such crashes.
- 2.2.2 Drivers Fatally Injured in Traffic Crashes. In Ontario, most drivers killed in traffic crashes are tested for the presence and amount of alcohol. Especially for drivers dying within a few hours of crash involvement, tests for alcohol are routine. In this report, data on alcohol use among drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles are excluded), who were 16 years of age or older, and who died within six hours of crash involvement are included. Data on alcohol use by these fatally injured drivers come from the Fatality Database maintained by the Traffic Injury Research Foundation of Canada.
- 2.2.3 Persons Charged with Impaired-driving Offences. As reported by the Canadian Centre for Justice Statistics, the number of "persons charged" with impaired driving offences does not represent an "unduplicated count" of individuals charged in a year. Thus, a person charged on more than one occasion will be counted every time they are charged by the police with an impaired driving offence. "Impaired-driving offences" include driving while impaired, having a BAC over 80 mg%, and failing or refusing to provide a breath sample -- for the years 1975 to 1985 -- and, for 1986 through 1990, the additional offences of impaired operation of a motor vehicle, vessel, or aircraft (i.e., impaired operation causing death, causing bodily harm, or over 80 mg%) and failing or refusing to provide a breath or blood sample. Rates of persons charged with such offences are the number of persons charged per 100,000 population.
- 2.2.4 Measuring the Magnitude of the Problem Over Time. As a means to assess changes in the alcohol-crash problem over time, this report describes trends in such common "indicators" as: (1) the number and percentage of drinking drivers involved in traffic crashes; (2) the number and percentage of

driver fatalities with BACs over 80 mg%; and (3) rates of crash-involved drinking drivers per 1,000 licensed drivers.

The ratio of crash-involved drinking drivers to crash-involved "normal" drivers -the Problem Index, described in the previous editions of the Statistical Yearbook -is also presented as a measure to track the alcohol-crash problem over time. Because many factors -- such as weather conditions, seasonal patterns of weather and driving, the state of the economy -- can influence the total number of traffic crashes, simply counting the number of drinking drivers involved in crashes would not reveal whether changes from year to year were the result of specific drinking-driving countermeasure efforts or a consequence of the many other conditions and forces that may have caused the number of all crashes to change. The ratio of drinking driver crashes to nondrinking driver crashes, however, essentially controls for factors that exert a general influence on motor vehicle crash rates and permits an assessment of the extent to which the number of crash-involved drinking drivers has changed relative to the number of crashinvolved "normal" drivers. Drinking-driving countermeasure efforts would be expected to have a differential impact on crashes involving drinking drivers; if this occurred, it would be shown by a decrease in the Problem Index.

2.3 Sources of Statistics

Statistics for this report were compiled from a number of sources. Again this year, detailed information on drivers involved in traffic crashes received from the Ontario Ministry of Transportation comprises the primary source of data. These data come from Motor Vehicle Accident Reports completed by investigating police officers. Because the focus of this report is on **drinking drivers** involved in traffic crashes, these statistics complement those published each year by the Ministry of Transportation in the Ontario Road Safety Annual Report (available from the Safety Co-ordination and Development Office of the Ministry). Although derived from the same source, the numbers in this report do not necessarily match those reported by the Ministry of Transportation in the Ontario Road Safety Annual Report. The disparities are, however, nominal (i.e., less than 1%) and are a result of slightly different criteria used to select cases for inclusion.

Statistics from the Fatality Database, developed and maintained by the Traffic Injury Research Foundation of Canada and funded jointly by Transport Canada and the Canadian Council of Motor Transport Administrators, are also presented. Based on reports by coroners and toxicologic tests for alcohol in blood, the Fatality Database contains information on the presence and the amount of alcohol consumed by drivers fatally injured in traffic crashes. In reporting these data, only the following drivers are included: drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles are excluded); drivers who were 16 years of age and over; and drivers who died within 6 hours of crash involvement. These data have been collected in Ontario since 1973 and are used to describe trends in drinking driver fatalities.

Ontario data from the Canadian Centre for Justice Statistics (CCJS) on the number of persons charged with impaired-driving offences are also summarized. Similar data from previous years are used to describe the changing pattern of impaired driving charges in Ontario.

2.4 Limitations of the Data

This report uses data from a variety of sources in an attempt to provide as comprehensive a picture as possible of the magnitude of the alcohol crash problem in Ontario. The overall consistency of the data over the past several years provides a reliable and valid indicator of the extent to which the problem has changed. Nevertheless, the data are unable to address several critical and often asked questions concerning the magnitude of the drinking-driving problem, such as, "How many people in Ontario are killed and injured in alcohol-related crashes?" and "How many people sustain permanent physical and/or mental impairments due to alcohol-related crashes?" The answers to these and other equally important questions require special, in-depth studies that involve collecting and linking data from several independent sources. Until these studies are undertaken, such key questions will remain unanswered.

3.0 DRINKING AND DRIVING IN ONTARIO: 1990

This section describes some of the data pertaining to the magnitude and characteristics of the drinking and driving problem in Ontario during 1990, differences among counties and regional municipalities, and trends in drinking and driving. The text is deliberately brief. It is intended to guide the reader through the seemingly endless array of numbers and to highlight various aspects of the data. Graphs are used extensively in this section as a means to help clarify some of the prominent features of the data. The numbers used to create these figures were derived from the more detailed tables contained in Appendix A. Statistics for each county and regional municipality are presented in Appendix B.

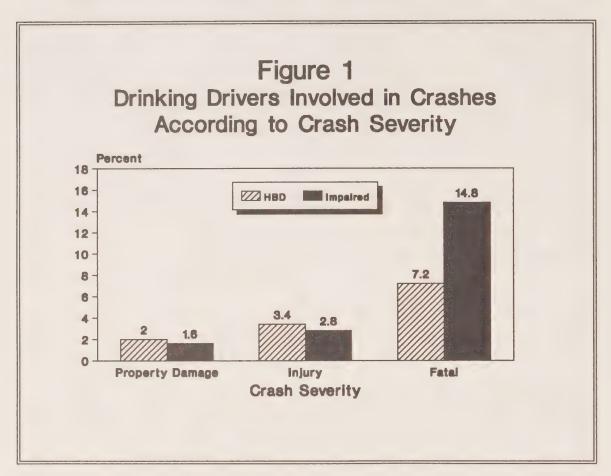
3.1 Overview

During 1990, the number of drivers involved in traffic crashes in Ontario whose use (or nonuse) of alcohol was reported by police fell by 12.5%, from 391,143 in 1989 to 342,229 in 1990 (Table 1, Appendix A¹). The number of drivers reported to have been drinking fell by 11.3% from 17,488 in 1989 to 15,506 in 1990. Drinking drivers comprised 4.5% of all drivers involved in traffic crashes (fatal, injury-producing and property damage crashes). Among the drinking drivers involved in these crashes, 6,997 (2.0% of all drivers) were judged to be impaired by alcohol; 8,509 (2.5% of all drivers) were reported to have consumed alcohol (i.e., HBD) but were not impaired.

It has been well-established that the more serious a traffic crash, the more likely a drinking driver was involved. Figure 1 shows that in 1990, about 2% of drivers involved in *property-damage* crashes had been drinking and a further 1.6% were judged legally impaired by alcohol. Of drivers involved in *injury* crashes, 3.4% had consumed some alcohol and an additional 2.8% were judged to be impaired. Alcohol was present in a considerably higher percentage of drivers involved in *fatal* crashes -- 7.2% had been drinking and an additional 14.8% were impaired.

¹ The total number of drivers involved in collisions (342,229) is the sum of drinking drivers (D/D=15,506) and non-drinking drivers (NOR=326,723).

Thus, in property damage and injury crashes, the percentage of drivers who had been drinking (HBD) is greater than that of drivers who were impaired. In fatal crashes, the reverse is true -- impaired drivers account for about twice as many drivers as those who had been drinking.

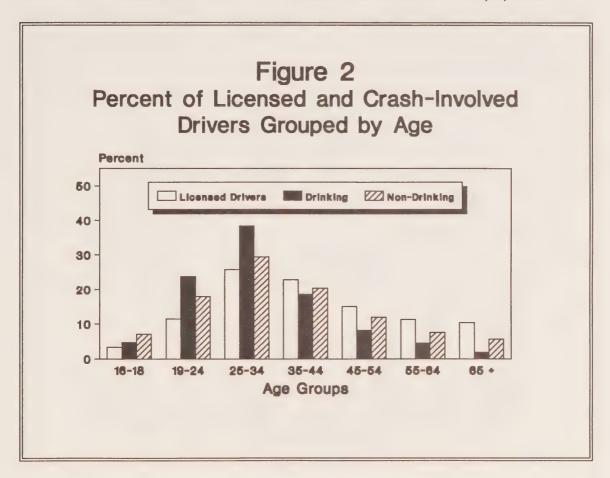


3.2 Characteristics of Drivers Involved in Traffic Crashes: Gender and Age

Overall, in 1990, more than twice as many male as female drivers were involved in crashes of any severity (238,612, compared to 103,617). In fatal crashes, male drivers outnumbered female drivers by a margin of more than 4 to 1 (Table 1).

In 1990, most (89%) of the drinking drivers involved in crashes were male. This was true regardless of the severity of the crash (Table 1).

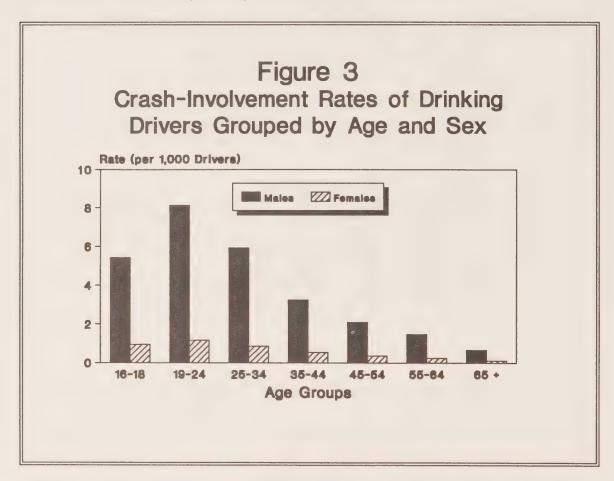
♦ Age groups. Figure 2 presents comparative information on seven different age groups in the licensed-driver and crash-involved populations for 1990. It shows the proportion of drinking and non-drinking drivers accounted for by each age group, relative to the proportion of licensed drivers accounted for by that group. The differences in the height of the bars within a given age group indicates the degree of over- or under-representation of drivers in that age group involved in crashes, relative to their numbers in the licensed-driver population.



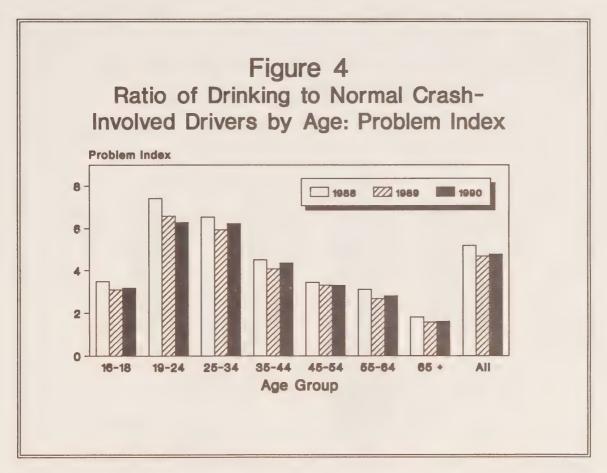
For example, drivers age 25 to 34 accounted for about 26% of all licensed drivers in the province but they accounted for 29% of all non-drinking drivers involved in crashes and 38% of all drinking drivers involved in crashes. Drivers in this age group are thus overrepresented both among crash-involved drinking drivers and crash-involved normal drivers, relative to their representation in the licensed-driver population. Similar statements can be made about 16 to 18 year olds and 19 to 24 year olds. By contrast, drivers 35 years of age and older are

underrepresented among both crash-involved drinking and non-drinking drivers, relative to their numbers in the licensed driver population (see Table 3).

♦ Age and gender. Figure 3 presents information on the rate of involvement in collisions for male and female drivers of different ages. The rate of involvement (which standardizes comparisons across groups of unequal numbers) represents the number of collisions per 1,000 licensed drivers in each subgroup. Male drivers of all ages have higher drinking driver crash involvement rates than do females. Male drivers age 19 to 24 have the highest drinking-driver crash involvement rate (Table 4).



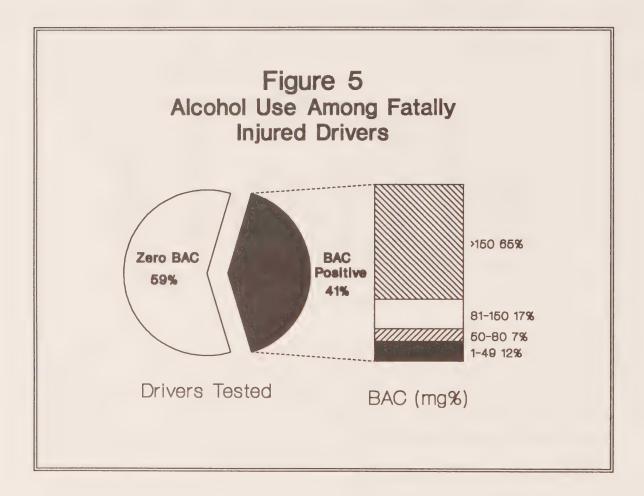
→ Age trends: The Problem Index. Figure 4 shows changes in the alcohol-crash problem among drivers of different ages during the past three years. The measurement unit used here is the "Problem Index" (PI) -- as described previously, this is simply the number of crash-involved drinking drivers divided by the number of crash-involved normal drivers, multiplied by 100. The PI indicates the degree to which drinking and driving is a problem in each age group. Drivers age 19 to 24 and 25 to 34 have the highest PIs among all age groups.



Generally speaking, there has been a decline in the Problem Index among all groups from 1988 to 1990, indicating continued improvement in the drinking-driving problem. Most notable are the consistent decreases among drivers aged 19 to 24.

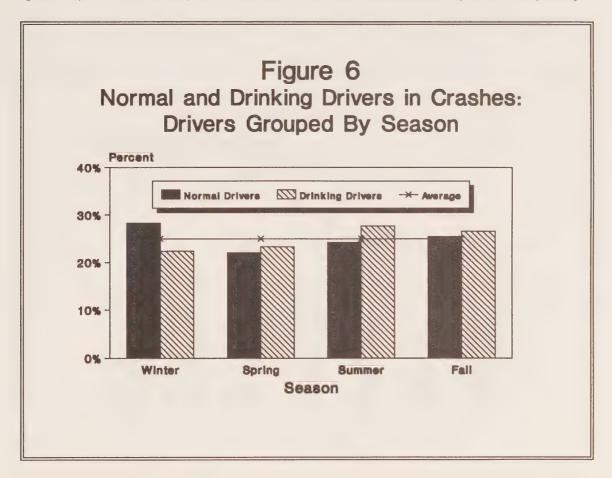
3.3 Fatally Injured Drivers

As indicated previously, the rate of testing for alcohol among fatally injured drivers in Ontario has remained consistently high. In 1990, 89% of fatally injured drivers were tested for alcohol. Figure 5 shows the percent of fatally injured drivers who were positive for alcohol in 1990 and, among those who had been drinking, the percent at each of four BAC levels. Among fatally injured drivers who were tested, 59% showed no evidence of alcohol; 41% were found to have a positive BAC. Among those who were drinking (the bar on the right) 81% had BACs in excess of the legal limit (80 mg%); this represents 33% of all the fatally injured drivers tested for alcohol (see Tables 9 and 10). Importantly, among fatally injured drinking drivers, 65% had a BAC over 150 mg%!



3.4 Characteristics of the Problem: Season, Day, and Hour of Crashes

Figure 6 (see also Table 5) shows the distribution of drinking drivers and normal drivers involved in crashes across the four seasons. If collisions were evenly distributed across the seasons, then 25% of them would occur in each season. (The line denoting the average illustrates this). Values above the line show a greater percent than expected; values below it, a lower than expected frequency.



As can be seen, "normal" drivers have more of their crashes during the winter months (December, January, and February) and less than expected in the spring (March, April, and May). *Drinking drivers crash more frequently in the summer* (June, July, and August) and fall (September, October, and November) and less frequently in the winter. The smaller number of drinking drivers in crashes during winter may, to some extent, reflect the impact of drinking-driving

countermeasures, which traditionally are more prominent during the year-end holiday season.

Figure 7 presents the percentage of drinking and normal drivers involved in crashes according to day of week. From Monday to Thursday, the percent of normal drivers involved in crashes exceeds that of drinking drivers. On Friday, Saturday, and Sunday, however, a greater proportion of drinking drivers crash. Over 25% of drinking drivers are involved in crashes on Saturday, primarily during early morning and late evening hours (see Table 6).

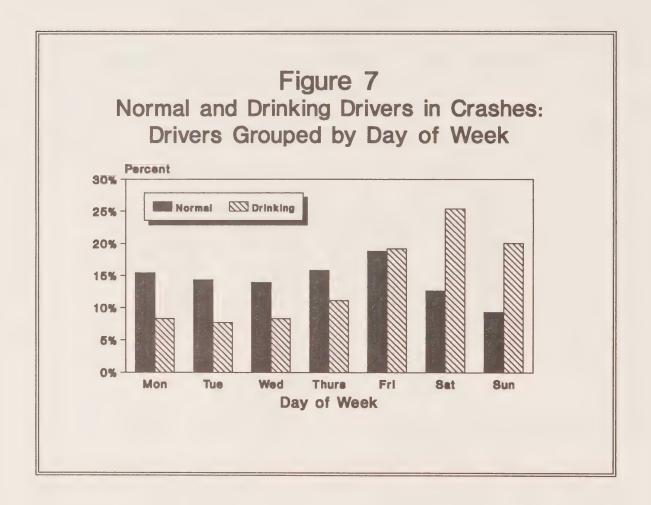
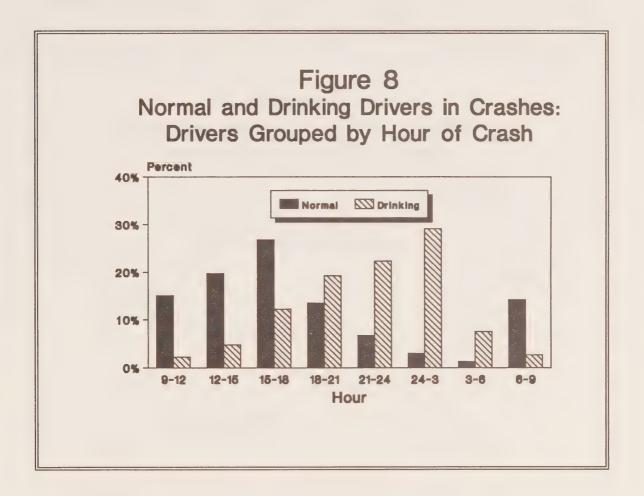
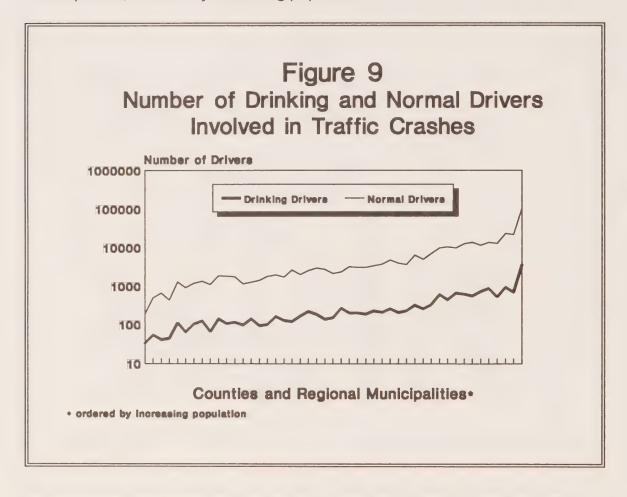


Figure 8 presents the percentage of normal and drinking drivers involved in crashes according to the hour of crash. It is evident that the majority of drivers, whose condition was reported by police as normal, crashed between 9 a.m. and 3 p.m. (i.e., 1500 hours). In contrast, most drinking drivers crashed between 6 p.m. and 3 a.m. (1800 and 0300 hours) (see Table 7). Indeed, nearly one-third of the drinking drivers crashed between midnight and 3 a.m.



3.5 Ontario Counties and Regional Municipalities

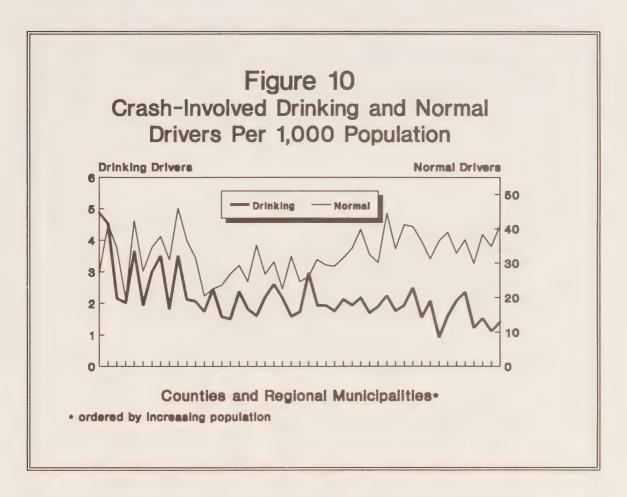
Although the problem of drinking and driving exists throughout the province, its magnitude varies considerably among counties and regional municipalities. It is perhaps not surprising that the police report greater numbers of crash-involved drinking drivers in areas with greater populations. For example, in Figure 9, the numbers of crash involved drinking drivers and drivers whose condition was reported by the police as normal are displayed for counties and regional municipalities, ordered by increasing population.



As population increases, so too do the numbers of both normal and drinking drivers involved in crashes. Note that the numbers on the vertical axis (Figure 9) increase by a factor of 10 (i.e., log scale). While this allows the numbers to be displayed on a single graph, it compresses the magnitude of the differences in the number of crashes between regions. For example, the number of drinking driver crashes ranges from 33 in Manitoulin to 3,599 in Metropolitan Toronto and York

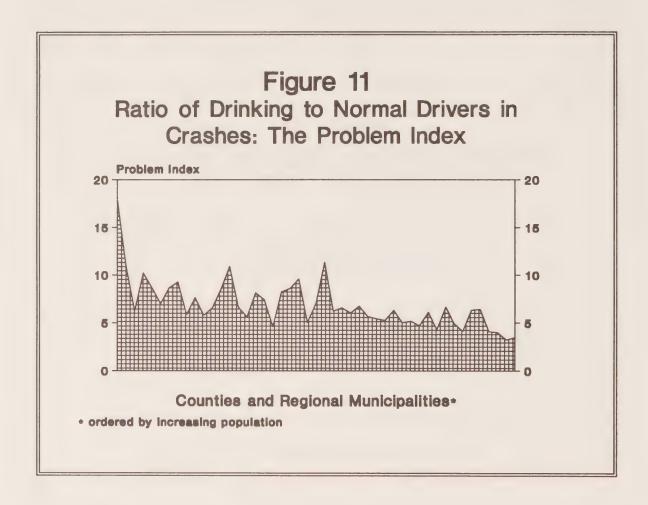
County. (The actual number of crash-involved normal and drinking drivers for each county and regional municipality in 1990 can be found in Appendix A, Table 11, and in more detail in Appendix B).

Figure 10 charts the rate of crash-involved drinking and normal drivers (number of crashes per 1,000 population) for each county and regional municipality. Again, counties and regional municipalities are arranged in order of increasing population.



As in previous years, areas with greater populations generally had higher rates of crash-involved normal drivers but lower rates of crash-involved drinking drivers. Some areas with small populations had high rates of crashes for both normal and drinking drivers.

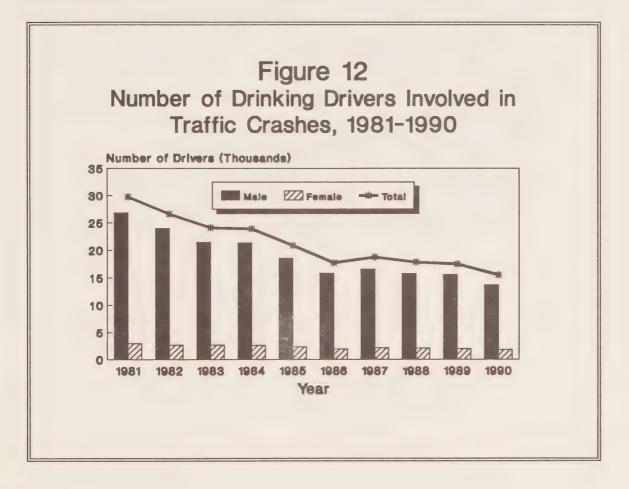
Figure 11 displays the Problem Index -- the ratio of drinking to normal drivers involved in crashes -- for counties and regional municipalities. As in previous figures, counties and regional municipalities are arranged in order of increasing population. In general, there is a tendency for jurisdictions with greater populations to have lower PI values.



3.6 Trends in Drinking and Driving in Ontario

This section examines trends in drinking and driving in Ontario over the past several years using various indicators of the problem.

Figure 12 displays the number of crash-involved male and female drinking drivers from 1981 through 1990. The total number of crash-involved drinking drivers declined from almost 30,000 in 1981 to 15,506 in 1990 -- a 49% decrease! It is evident in the figure that the decrease was greater for male crash-involved drinking drivers (a 49% decline) than for females (39%). The large decreases in the number of crash-involved drinking drivers apparent during the early 1980s appeared to level off from 1986 through 1989. In 1990, however, a decrease in the number of drinking drivers involved in crashes was again evident, down by almost 2,000 drivers, or 11.3%, from 1989.



Other indicators reveal a similar trend. Figure 13 presents trends in the number of crash-involved drinking drivers per 1,000 licensed drivers, from 1981 though 1990. During this period, the number of licensed drivers in Ontario increased by 26%, from 5.1 million in 1981 to 6.4 million in 1990. At the same time, the number of crash-involved drinking drivers declined by 48%. Hence, when these two opposing trends are combined, the resultant crash rate for drinking drivers has fallen by 58%, from a rate of 5.8 in 1981 to 2.4 in 1990 (see Table 8).

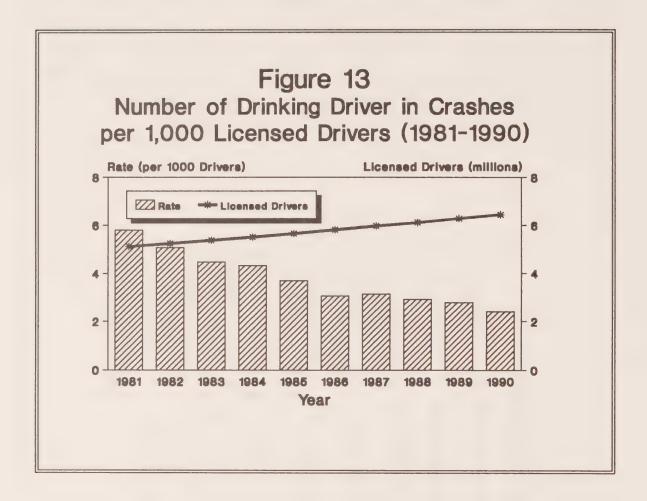
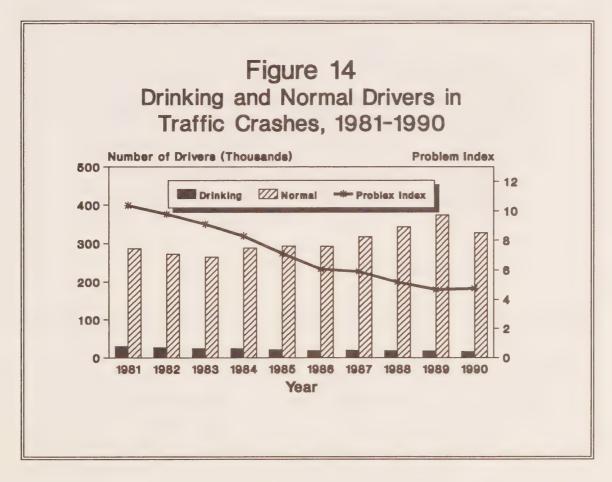
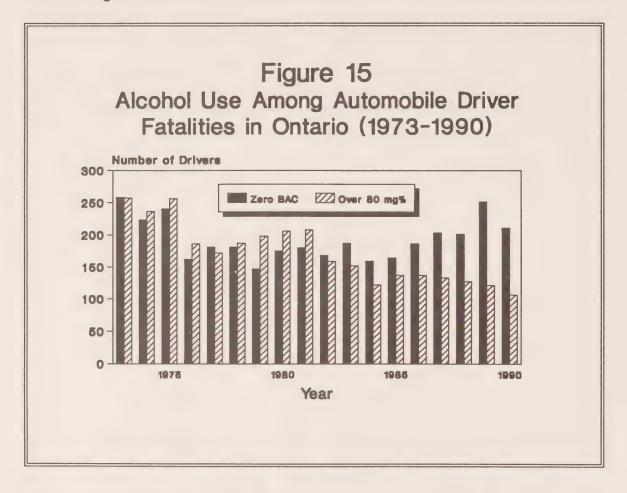


Figure 14 presents the annual number of crash-involved normal and drinking drivers and the ratio of these two values -- i.e., the Problem Index -- from 1981 through 1990. While Figures 12 and 13 showed sizable decreases in the number and rates of drinking drivers involved in crashes in the 1980s, these reductions pale by comparison to the magnitude of the *increase* in the number of crash-involved normal drivers. From 1983 through 1989, the number of crash-involved normal drivers increased by 41% (from 264,795 to 373,655). Thus, the decrease in crash-involved drinking drivers must be viewed against a backdrop of an increase in the number of crashes involving nondrinking drivers. When these two opposite trends are combined, they produce the dramatic decrease in the Problem Index also shown in Figure 14. In 1990, however, a different pattern occurred -- in contrast to previous years, the number of crash-involved normal drivers decreased to 326,723. As a result, the Problem Index increased slightly suggesting that relative to non-drinking drivers, the proportion of drinking drivers involved in crashes did not improve that year.

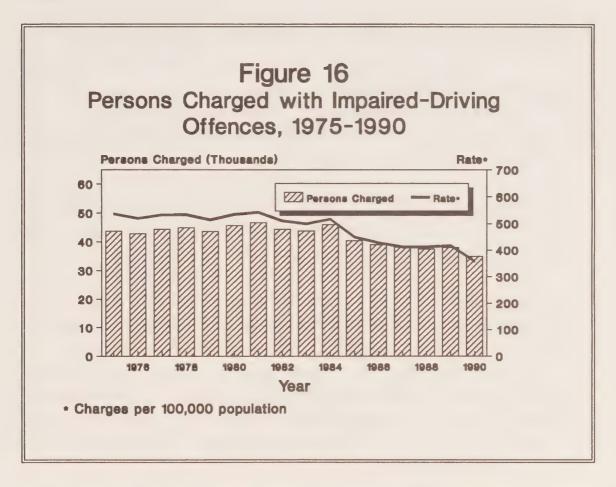


Another indicator of the magnitude of the alcohol-crash problem is data on alcohol use among **automobile** driver fatalities. Figure 15 displays the number of nondrinking (i.e., zero BAC) driver fatalities and those with BACs in excess of the legal limit (i.e., 80 mg%) in Ontario from 1973 through 1990. Of interest, in almost every year prior to 1982, the number of fatally injured drivers with BACs over 80 mg% exceeded the number of nondrinking driver fatalities. Since then, the number of driver fatalities with illegal BACs has dropped 33% -- from 159 in 1982 to 106 in 1990. In contrast, over the same period of time, the number of nondrinking driver fatalities has increased 25% -- from 168 in 1982 to 210 in 1990.



The number of persons charged with impaired driving offences each year is another indicator of trends in drinking-driving problems. While these data will undoubtedly include some individuals who are charged with impaired driving on more than one occasion in a year, they do reflect the number of times a police officer arrests and charges a driver with an impaired driving offence.

Figure 16 presents these data for Ontario from 1975 through 1990. Also included is the rate (i.e., the number of persons charged per 100,000 population). Until 1984, the annual number of persons charged in Ontario with impaired driving stayed fairly constant, ranging from 42,900 in 1976 to 46,700 in 1981. Since 1984, however, the number of persons charged has declined. In 1990, 34,913 persons were charged with an impaired driving offence in Ontario, a decrease of 8% from 1989.



Interpreting changes in these data is not without problems. First, law enforcement statistics do not measure the frequency of impaired driving behaviour, a task for which roadside surveys are better suited. Second, enforcement practices may have a profound effect on the number of persons who are charged. For example, decreased enforcement would likely reduce the number of persons charged, without necessarily affecting the number of persons who drive after drinking. Decreased enforcement would, therefore, help explain the reduction in charges witnessed over the past several years. But compared to

previous years, the increased use of roadside checkstops in Ontario has actually increased enforcement levels. These high profile roadside checkstops -- often referred to as the RIDE program -- when combined with extensive media coverage, may actually serve to deter some individuals from driving after consuming alcohol. In any event, caution is urged in interpreting the meaning of charge statistics.

3.7 Summary

Drinking Drivers Involved in Crashes

- *** During 1990, 342,229 drivers were involved in traffic crashes in Ontario. This was 12.5% fewer than during 1989.
- *** Drinking drivers comprised 4.5% of all drivers involved in crashes. The number of crash-involved drinking drivers fell 11.3%, from 17,488 in 1989 to 15,506 in 1990.
- *** 6,997 drivers (2.0%) were judged by investigating police officers to be *impaired* by alcohol; 8,509 (2.5%) were reported to *have been drinking*.
- *** Among drivers involved in *property damage* crashes, 2.0% had been drinking and 1.6% were impaired. Among drivers involved in *personal injury* crashes, 3.4% had consumed alcohol and 2.8% were judged impaired. Among drivers involved in *fatal* crashes, 7.2% had been drinking and 14.8% were impaired.

Characteristics of Crash-Involved Drinking Drivers

- *** 89% of crash-involved drinking drivers were male. This was true regardless of crash severity.
- *** Drivers aged 25 to 34 accounted for the largest proportion (38%) of all drinking drivers involved in crashes. Drivers aged 19 to 24 were second, accounting for 24%.

*** Drivers *under 35* years of age are overrepresented among drinking drivers involved in crashes relative to their representation in the licensed driver population.

Fatally Injured Drivers

- *** Among drivers fatally injured in crashes who were tested, 59% showed no evidence of alcohol; 41% were found to have consumed alcohol prior to the crash; and 33.1% had a BAC over 80 mg%.
- *** Among fatally injured drinking drivers, 81% had a BAC in excess of 80 mg%; 65% had a BAC over 150 mg%.

Characteristics of Drinking Driver Crashes

- *** As in previous years, more drinking drivers crashed during summer months (28%) than during winter months (22%).
- *** Drinking drivers crashed more frequently on weekends (64%) than weekdays (36%). One-quarter of all drinking drivers crashed on Saturday.
- *** Over 60% of drinking drivers crashed between 6 p.m. and 3 a.m. In comparison, almost half of non-drinking drivers crashed between noon and 6 p.m.

Ontario Counties and Regional Municipalities

- *** Counties and regional municipalities with larger populations had higher numbers of both drinking and non-drinking drivers involved in crashes.
- *** The number of drinking drivers involved in crashes per 1,000 population, however, decreases as population size increases. The opposite pattern is found in terms of non-drinking drivers involved in crashes -- as population

size increases, the rate of non-drinking drivers involved in crashes also increases.

Trends in Drinking and Driving

- *** The number of crash-involved drinking drivers decreased from almost 30,000 in 1981 to 15,506 in 1990 -- a 49% decrease!
- *** From 1981 to 1990, the number of licensed drivers in Ontario increased by 26%, from 5.1 million to 6.4 million. The number of drinking drivers involved in crashes per 1,000 licensed drivers declined by 58%, from a rate of 5.8 in 1981 to 2.4 in 1990.
- *** The ratio of drinking to non-drinking drivers involved in crashes -- i.e., the Problem Index -- fell dramatically from 1981 through 1989. There was a slight increase in the value of the Problem Index in 1990 suggesting that relative to non-drinking drivers, the proportion of drinking drivers involved in crashes did not improve.
- *** The number of automobile driver fatalities with BACs in excess of 80 mg% has fallen by 33% since 1982. In 1990, 31% of fatally injured automobile drivers had a BAC over 80 mg%.

SOURCES OF MORE INFORMATION

Readers wishing more information on drinking and driving may either contact the Office of Drinking/Driving Countermeasures or refer to publications listed below.

CONTACT:

Office of Drinking/Driving Countermeasures
Ministry of the Attorney General
720 Bay Street, 3rd Floor
M5G 2K1
Tel: (416) 326-4408

REFERENCES

*** Ontario Road Safety Annual Report for 1990.

Ministry of Transportation.

Source: Transportation Regulation Development Branch

Safety Co-ordination and Development Office

West Building

1201 Wilson Avenue Downsview, Ontario

M3M 1J8

Tel: (416) 235-3585

*** Impaired Driving Statistics, 1990

Juristat Service Bulletin, Vol. 11, No. 13, September, 1991.

(Catalogue 85-002)

Source: Statistics Canada

This and other Statistics Canada publications may be purchased from local authorized and other community bookstores, through local Statistics Canada offices, or by mail order to Publication Sales and Services, Ottawa, K1A

0T6

*** Alcohol Use By Persons Fatally Injured in Motor

Vehicle Accidents: Canada, 1989 (Publication No. TP- 010928E)

Source: Road Safety and Motor Vehicle Regulation Directorate

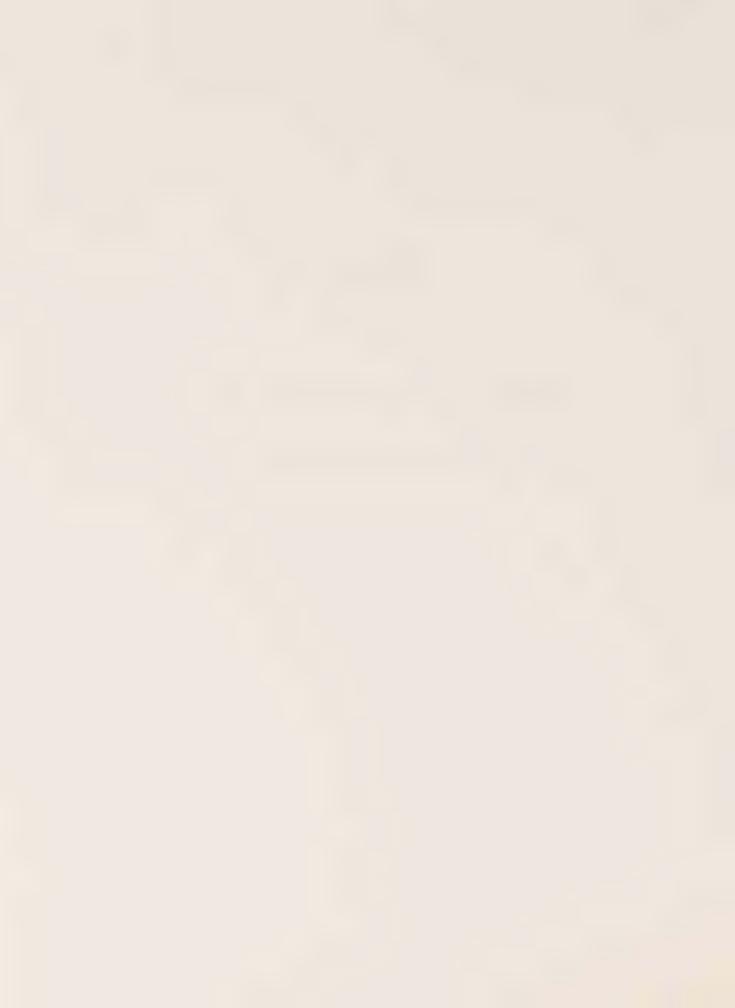
Transport Canada Canada Building 344 Slater Street Ottawa, Ontario

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APPENDIX A

DRINKING AND DRIVING IN ONTARIO 1990 STATISTICS



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Table 1

DRIVERS INVOLVED IN TRAFFIC CRASHES ONTARIO, 1981 - 1990

Year	Prop	erty	Dam	age	Pei	rsona	l Inju	ry			Fata	al			Tot	al	
8.					9												
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	l	HBD I	MP	D/D	NOR	HBD	IMP	D/D	NOR
Male									300000000								
1981	8951	4965	13916	140433	8193	4187	12380	70773		213	287	,500	907	17357	9439	26796	212113
1982	7984	4319	12303	133222	7393	3786	11179	66244		182	267	449	763	15559	8372	23931	200229
1983	6811	3923	10734	125835	6653	3568	10221	65271		162	319	481	820	13626	7810	21436	19192
1984	6822	3931	10753	135973	6465	3641	10106	71168		190	264	454	851	13477	7836	21313	207992
1985	5302	3244	8546	127478	6041	3562	9603	81791		162	243	405	833	11505	7049	18554	21010
1986	4370	2816	7186	124164	4869	3364	8233	81920		135	254	389	842	9374	6434	15808	206926
1987	4562	2947	7509	132016	5005	3680	8685	90362		133	259	392	939	9700	6886	16586	223317
1988	4800	3216	8016	156928	4271	3110	7381	82678		144	231	375	905	9215	6557	15772	24051
1989	4861	3403	8264	174450	3769	3201	6970	83832		177	145	322	964	8807	6749	15556	259246
1990	4203	3333	7536	156029	3206	2717	5923	68018		86	181	267	839	7495	6231	13726	224886
Fema	ale																
1981	929	462	1391	47595	1097	403	1500	26669		23	21	44	188	2049	886	2935	7445
1982	911	364	1275	46395	992	341	1333	25229		21	28	49	171	1924	733	2657	7179
1983	888	402	1290	46283	981	362	1343	26357		14	20	34	229	1883	784	2667	7286
1984	851	438	1289	51207	869	373	1242	28600		26	18	44	221	1746	829	2575	8002
1985	680	376	1056	48541	858	351	1209	34123		17	23	40	218	1555	750	2305	8288
1986	519	332	851	48940	688	345	1033	35899		8	23	31	229	1215	700	1915	8506
1987	542	338	880	53192	829	396	1225	40537		18	28	46	277	1389	762	2151	9400
1988	635	371	1006	64388	644	365	1009	38244		19	13	32	248	1298	749	2047	10288
1989	591	382	973	74118	575	355	930	40022		14	15	29	269	1180	752	1932	11440
1990	514	419	933	67598	488	326	814	34015		12	21	33	224	1014	766	1780	10183
Tota	ı																
1981	9880	5427	15307	188028	9290	4590	13880	97442		236	308	544	1095	19406	10325	29731	28656
1982	8895	4683	13578	179617	8385	4127	12512	91473		203	295	498	934	17483	9105	26588	27202
1983	7699	4325	12024	172118	7634	3930	11564	91628		176	339	515	1049	15509	8594	24103	26479
1984	7673	4369	12042	187180	7334	4014	11348	99768		216	282	498	1072	15223	8665	23888	28802
1985	5982	3620	9602		6899		10812	115914	爨	179	266		1051	13060	7799	20859	29298
1986	4889	3148			5557		9266	117819	쬻	143	277		1071	10589	7134	17723	29199
1987	5104	3285			5834		9910	130899	爨	151	287		1216	11089	7648	18737	31732
1988	5435	3587			4915		8390	120922		163	244		1153	10513	7306	17819	34339
1989	5452	3785		248568	4344		7900	123854		191	160		1233	9987	7501	17488	37365
1990	4717	3752			3694		6737	102033	数数数	98	202		1063	8509	6997	15506	32672

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NOR -- Drivers whose condition was reported by police as "normal"

TABLE 2. AGE OF DRIVERS INVOLVED IN TRAFFIC CRASHES: ONTARIO, 1990

IMP D/D	NOR HBD 269 120624 211 27677 27677 30580 12778 11839 12778 11877 143 11877 143 11877 143 115029 7736 4468 67598	9 355 1739 2908 1400 617 360 148 7536 193 193 348 193 89
5 17 66 277 545 1474 1 1083 2274 1 562 1054 1 269 469 135 253 52 105 2717 5923 6 145 309 76 165 165 61 18 30 7 15 7 15 5 20 7 15 5 20 7 15 7 15	322 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
66 277 66 277 1083 2274 1 1083 2274 1 269 469 135 253 52 105 2717 5923 6 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 11 1228 2583 25	332 11 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	276 276 276 276 305 305 89 89 89 89 89 89 118 118 118 118 118
66 277 545 1474 1 1083 2274 1 562 1054 1 269 469 135 253 52 105 2717 5923 6 2717 5923 6 145 309 76 165 26 61 18 30 7 15 5 20 7 15 5 20 7 15 7 15 7 15 814 3 20 7 15 818 60 1128 2583 2		106 1463 1463 163 163 163 163 163 163 163 163 163 1
265 1474 1 1083 2274 1 269 469 135 253 52 105 135 253 52 105 2717 5923 6 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 1 1228 2583 2	1 3	276 463 305 188 188 127 127 118 118 151 77
1083 2274 1 562 1054 1 269 469 135 253 52 105 52 105 2717 5923 6 145 309 76 165 26 61 18 30 7 15 5 20 77 322 588 1660 1 1228 2583 2		188: 188: 127: 127: 127: 127: 188: 188: 188: 188: 188: 188: 188: 18
269 469 135 253 6 135 253 6 2717 5923 6 111 45 43 186 145 309 76 165 26 61 18 30 7 15 7 15 5 20 7 7 322 58 1660 11	3	3305 188 188 89 89 89 118 118 195 777
269 469 135 253 52 105 2717 5923 6 111 45 43 186 145 309 76 165 26 61 18 30 7 15 7 15 5 20 7 7 322 5 814 3	6	188 127 89 89 89 50 50 118 195 151
135 253 52 105 52 105 0 3 11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 7 7 322 5 80 1660 11228 2583 22		127 89 89 560 50 118 195 177
2717 5923 6 2717 5923 6 11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 58 1660 1		50 50 50 118 195 151
2717 5923 6 0 3 11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 11		560 50 118 195 177
0 3 11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 1 1228 2583 2	1 1	50 118 195 151 77
0 3 11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 1 1228 2583 2		50 118 195 77
11 45 43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 11		505 1187 1953 1953 773
43 186 145 309 76 165 26 61 18 30 7 15 7 15 5 20 77 322 588 1660 11	1 4	505 1187 1953 1510 773
43 186 145 309 76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 11		11877 19532 15106 7736
76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 58 1660 11 1228 2583 22	1 4	1953 1510 773
76 165 26 61 18 30 7 15 326 814 3 5 20 77 322 588 1660 1 1228 2583 2	4	1510 773
26 61 18 30 7 15 326 814 5 20 77 322 588 1660 1228 2583	4	773
18 30 7 15 326 814 5 20 77 322 588 1660 1228 2583	4	
5 20 77 322 77 322 588 1660 1228 2583		446
5 20 77 322 588 1660 1228 2583		375
5 20 77 322 588 1660 1 1228 2583 2		9229
5 20 77 322 588 1660 1 1228 2583 2		
77 322 588 1660 1228 2583	13 15	343
588 1660 1228 2583	79 245	15679
1228 2583	54 1072	39554
000	1355	65891
81 638 1219 20250	45686 581	156
35 295 530 11885	26575 235	99
30 153 283 7520	17246 130	1
61 59 120 5499	12653 61	N
94 3043 6737 102033	223627 3694	33

Table 3

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATION

ONTARIO, 1990

AGE	No. of	% of	Crash-	% of	Crash-	% of	Crash-	% of	Crash-	% of
&	Drivers	Licensed	Involved	Drivers	Involved	Drivers	Involved	Drivers	Involved	Drivers
SEX	Licensed	Drivers	HBD	HBD	IMP	IMP	D/D	D/D	NOR	NOR
Male										
16-18	119183	3.4%	467	6.2%	179	2.9%	646	4.7%	15513	6.9%
19-24	404806	8	2062	27.6%	1224	19.7%	3286	24.0%	40446	18.1%
25-34	893467	8	2786	37.3%	2483	39.9%	5269	38.5%	66073	29.6%
35-44	775354		1197	16.0%	1306	21.0%	2503	18.3%	43493	19.5%
45-54	531734	13	528	7.1%	582	9.4%	1110	8.1%	26925	12.0%
55-64	423110	13	304	4.1%	318	5.1%	622	4.5%	18288	8.2%
65+	396566	11.2%	129	1.7%	132	2.1%	261	1.9%]	12841	5.7%
Total	3544220	100%	7473	100%	6224	100%	13697	100%	223579	100%
Total	3344220	100 /0	7473	100 %	0224	.00%	10037	10070	2200/3	10070
Female										
, cinaic										
16-18	93665	3.2%	64	6.3%	24	3.1%	88	5.0%	7690	7.6%
19-24	334366	1	263	26.1%	123	16.1%	386		18067	17.8%
25-34	773007	E:	360	35.7%	306	39.9%	666	37.5%	29380	29.0%
35-44	692345	23.8%	205	20.3%	172	22.5%	377	21.2%	22666	22.3%
45-54	433191	14.9%	73	7.2%	82	10.7%	155	8.7%	11668	11.5%
55-64	305270	10.5%	28	2.8%	44	5.7%	72	4.1%	6567	6.5%
65+	272819	9.4%	16	1.6%	15	2.0%	31	1.7%	5407	5.3%
Total	2904663	100%	1009	100%	766	100%	1775	100%	101445	100%
Both										
40.40	0.100.1									
16-18	212848		531	6.3%	203	2.9%	734		23203	7.1%
19-24	739172	E	2325	27.4%	1347	19.3%	3672		58513	18.0%
25-34 35-44	1666474		3146 1402	37.1% 16.5%	2789 1478	39.9% 21.1%	5935 2880		95453	29.4%
45-54	964925		601	7.1%	664	9.5%	1265		66159 38593	20.4%
55-64	728380		332	3.9%	362	5.2%	694		24855	7.6%
65+	669385		145	1.7%	147	2.1%	292		18248	5.6%
	J ₂₂						23/2	1.0 %]	102.40	J.O /6]
Total	6448883	100%	8482	100%	6990	100%	15472	100%	325024	100%

Table 4

CRASH INVOLVEMENT BY AGE AND SEX OF LICENSED DRIVERS:

Number and Rate per 1,000 Licensed Drivers

ONTARIO, 1990

AGE		No. of	Crash-		Crash-		Crash-		Crash-		
&		Drivers	Involved	HBD	Involved	IMP	Involved	D/D	involved	NOR	
SEX		Licensed	HBD	Rate	IMP	Rate	D/D	Rate	NOR	Rate	
Male											
16-18		119183	467	3.92	179	1.50	646	5.42	15513	130.16	
19-24		404806	2062	5.09	1224	3.02	3286	8.12	40446	99.91	
25-34		893467	2786	3.12	2483	2.78	5269	5.90	66073	73.95	
35-44		775354	1197	1.54	1306	1.68	2503	3.23	43493	56.09	
45-54		531734	528	0.99	582	1.09	1110	2.09	26925	50.64	
55-64		423110	304	0.72	318	0.75	622	1.47	18288	43.22	
65+		396566	129	0.33	132	0.33	261	0.66	12841	32.38	
Total		3544220	7473	2.11	6224	1.76	13697	3.86	223579	63.08	
Female											
16-18		93665	64	0.68	24	0.26	88	0.94	7690	82.10	
19-24		334366	263	0.79	123	0.37	386	1.15	18067	54.03	
25-34		773007	360	0.47	306	0.40	666	0.86	29380	38.01	
35-44		692345	205	0.30	172	0.25	377	0.54	22666	32.74	
45-54		433191	73	0.17	82	0.19	155	0.36	11668	26.94	
55-64		305270	28	0.09	44	0.14	72	0.24	6567	21.51	
65+		272819	16	0.06	15	0.05	31	0.11	5407	19.82	
Total	7	2904663	1009	0.35	766	0.26	1775	0.61	101445	34.92	
Both											
16-18		212848	531	2.49	203	0.95	734	3.45	23203	109.01	
19-24		739172	2325	3.15	1347	1.82	3672	4.97	58513	79.16	
25-34		1666474	3146	1.89	2789	1.67	5935	3.56	95453	57.28	
35-44		1467699	1402	0.96	1478	1.01	2880	1.96	66159	45.08	
45-54		964925	601	0.62	664	0.69	1265	1.31	38593	40.00	
55-64		728380	332	0.46	362	0.50	694	0.95	24855	34.12	
65+		669385	145	0.22	147	0.22	292	0.44	18248	27.26	
Total		6448883	8482	1.32	6990	1.08	15472	2.40	325024	50.40	

TABLE 5. DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1990

8	2	1	- C	33	Similar Indian		f f			3		8888		IOIGI	41	
	НВО	IMP	a/a	NOR	НВО	IMP	g/a	NOR	НВО	IMP [a/a	NOR	НВО	IMP	a/a	NOR
January	339	248	587	14948	207	173	380	5653	က	9	0	79	549	427	976	20680
February	381	259	640	14918	226	184	410	5622	ო	6	12	62	610	452	1062	20902
March	284	280	564	11715	233	254	487	5015	10	10	15	43	522	544	1066	16773
	285	249	534	9970	214	193	407	4721	00	13	21	22	202	455	962	14748
980000	323	277	009	11911	300	235	535	5992	0	14	23	71	632	526	1158	17974
388888	380	283	663	12263	360	268	628	6470	=	20	31	64	751	571	1322	18797
888888	356	291	647	11692	313	251	564	6285	14	21	35	84	683	563	1246	18061
August	356	277	633	12048	332	230	299	6183	10	21	31	82	869	528	1226	18313
September	403	329	732	12116	302	288	290	5773	=======================================	21	32	76	716	638	1354	17965
October	338	268	909	13315	288	209	497	5639	4	20	24	8	630	497	1127	19044
November	403	297	700	14549	235	231	466	5264	4	14	18	49	642	545	1184	19862
December	355	275	630	16582	196	201	397	5401	4	12	16	82	555	488	1043	22065
TOTAL	4203	3333	7536	156027	3206	2717	5923	68018	86	181	267	839	7495	6231	13726	224884
Female																
January	45	28	73	2099	23	20	43	2937	2	ო	ເດ	23	70	51	121	9567
February	48	27	75	6487	30	23	53	2836	ო	0	ო	21	8	20	131	9344
March	40	39	79	5144	41	25	99	2500	ო	0	ო	9	84	64	148	7650
April	34	36	70	4406	36	20	26	2376	0	-	-	19	70	22	127	6801
May	39	37	92	5118	42	39	81	3000	8	0	N	20	83	76	159	8138
June	36	32	89	5279	48	34	82	3178	0	2	N	18	84	68	152	8475
900000	52	33	88	4885	26	33	88	2901	0	7	8	20	111	89	179	7806
August	45	46	88	4809	46	27	73	2882	_	4	c)	25	89	11	166	7716
September	43	37	80	5350	41	28	69	2822	0	10	S	13	84	70	154	8185
October	46	39	85	5741	43	27	70	2839	-	8	က	30	8	68	158	8610
November	40	31	7.1	6498	41	33	74	2890	0	-	· pero	10	81	65	146	9338
December	46	34	80	7273	41	17	28	2854	0	-	-	19	87	52	139	10146
TOTAL	514	440	000	67507	ADD	200	770	24040	Ç	7	c	000	4044	207	4700	101026

TABLE 5 (continued). DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1990

Month		erty [Property Damage		Per	Personal Injury	Injury			Fata		88888		Total	_	
Þ																
Year	НВО	IMP	D/D	NOR	НВО	IMP	g/g	NOR	НВD	IMP D/D	1	NOR	НВД	IMP	g/g	NOR
Total					33554							200000				
	200				00000							88888				
January	384	276	099	21555	230	193	423	8590	2	6	14	102	619	478	1097	30247
February	429	286	715	21405	256	207	463	8458	9	6	15	83	691	502	1193	29946
March	324	319	643	16859	274	279	553	7515	80	10	18	49	909	809	1214	24423
April	319	285	604	14376	250	213	463	7007	80	14	22	76	577	512	1089	21549
May	362	314	929	17029	342	274	616	8992	11	14	25	91	715	602	1317	26112
June	416	315	731	17542	408	302	710	9648	11	22	33	82	835	629	1474	27272
July	411	324	735	16577	369	284	653	9186	14	23	37	104	794	631	1425	25867
August	398	323	721	16857	378	257	635	9062	11	25	36	107	787	605	1392	26029
September	446	366	812	17466	343	316	629	8595	11	56	37	68	800	708	1508	26150
October	384	307	691	19056	331	236	292	8478	rc.	22	27	120	720	565	1285	27654
November	443	328	177	21047	276	264	540	8154	4	15	19	59	723	607	1330	29260
December	401	309	710	23855	237	218	455	8255	4	13	17	101	642	540	1182	3221
TOTAL	4717	3752	8469	223624	3694	3043	6737	102033	86	202	300	1063	8509	6997	15506	326720

TABLE 6. DRIVERS IN TRAFFIC CRASHES: DAY OF WEEK - ONTARIO, 1990

		NOR		34525	21500	21030	31006	34971	42435	28691	21668	224886		15714	15038	14383	16642	18933	12445	8682	101837		50239	46628	45389	51613	61368	41136	30350	326723	
		g/g		1134	070	040	1119	1521	2691	3482	2739	13726		151	153	171	204	284	450	367	1780		1285	1193	1290	1725	2975	3932	3106	15506	
Total		IMP		525	473	2 14	531	718	1228	1613	1143	6231		26	7.1	74	16	122	185	147	992		601	544	605	809	1350	1798	1290	2669	
		НВО		609	200	700	288	803	1463	1869	1596	7495		75	82	26	113	162	265	220	1014		684	649	685	916	1625	2134	1816	8509	
3828888		NOR		101	. C	2 0	108	146	139	136	96	839		33	33	28	35	42	30	23	224		134	146	136	181	181	166	119	1063	
		D/D		29	40	2 2	00	28	45	68	54	267		8	-	9	S	6	ന	7	33		31	26	24	33	54	71	61	300	
Fatal		IMP		23	1	71	12	21	32	44	32	181		8	0	10	N	4	8	9	21		25	17	17	23	36	46	38	202	
20000000		НВО		ď		0 0	9	_	13	24	22	86		0	-	-	က	ιΩ	-	-	12	*********	9	O	7	10	18	25	23	86	
		NOR		10087	1000	0000	9233	10299	12731	9606	7207	68018		5136	4918	4833	2440	6331	4241	3116	34015		15223	14283	14066	15739	19062	13337	10323	102033	
Personal Injury		a/a		488	000	765	493	661	1146	1518	1175	5923		63	73	80	84	126	223	165	814		551	515	573	745	1272	1741	1340	6737	
rsonal		IMP		216	1 0	SUS	218	324	513	720	521	2717		27	37	31	32	46	86	67	326		243	242	249	356	559	806	588	3043	
Pe		НВО		27.2	1 1	757	275	337	633	798	654	3206		36	36	49	52	8	137	86	488	50000000	308	273	324	389	713	935	752	3694	
		NOR		24337	0 7 7 0	221122	21665	24526	29565	19459	14365	156029		10545	10087	9522	11167	12560	8174	5543	67598		34882	32199	31187	35693	42125	27633	19908	223627	
Damage		a/a		617		5/3	809	832	1500	1896	1510	7536		86	7.8	85	115	149	224	195	933		703	652	693	947	1649	2120	1705	8469	
Property D		IMP		286	0 1	727	301	373	683	849	590	3333		47	34	38	57	72	97	74	419		333	285	339	430	755	946	664	3752	
Prop		НВО		224	5 6	322	307	459	817	1047	920	4203		39	45	47	28	11	127	121	514		370	367	354	517	894	1174	1041	4717	
Day	of	Week	Male		The state of the s	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	Female	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	Total	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total	

TABLE 7. DRIVERS IN TRAFFIC CRASHES: HOUR OF CRASH - ONTARIO, 1990

		NOR		7467	3268	30785	33700	43905	58695	30844	15807	415	224886		2000	728	15285	15329	20335	28670	13032	6039	204	101837		9672	4006	46070	49029	64240	87365	43876	21846	619	326723
al		D/D		3920	1000	358	296	665	1697	2660	3042	88	13726		201	140	47	48	73	187	313	394	10	1780		4484	1149	405	344	738	1884	2973	3436	93	15506
Total		Σ		1746	364	155	142	281	736	1289	1486	32	6231	888888888888888888888888888888888888888	207	42	28	27	28	83	149	189	ო	766		1953	406	183	169	309	829	1438	1675	35	2669
200000		НВД		2174	636	203	154	384	961	1371	1556	56	7495	880000000000000000000000000000000000000	257	107	19	21	45.	94	164	205	8	1014		2531	743	222	175	429	1055	1535	1761	58	8509
		NOR		22	32	111	139	138	157	102	103	0	839		^	٠ ،	37	25	41	52	37	Z	0	224		64	35	148	164	179	500	139	125	0	1063
le le		D/D		83	27	ĸ	က	0	28	48	62	2	267		œ) er	· -	-	4	9	4	9	0	33		91	30	9	4	13	34	52	68	2	300
Fatal		IMP		53	19	4	04	9	22	30	43	2	181		٧	0	-	_	ന	9	ന	_	0	21		22	21	5	က	6	28	33	44	2	202
50,000,00		НВБ		30	00	,	-	ന	9	18	19	0	86		4	-	0	0	-	0	-	20	0	12		34	6	-	-	4	9	19	24	0	98
À		NOR		2409	988	8836	9377	13069	17986	10058	5262	135	68018		755	231	4900	4881	9099	8926	4609	2194	7.1	34015		3164	1117	13736	14258	19675	27754	14667	7456	206	102033
Injury		g/g		1685	431	172	112	272	969	1167	1356	32	5923	888888888888888888888888888888888888888	257	1	25	22	35	82	128	186	2	814		1942	508	197	134	307	778	1295	1542	34	6737
Personal		IMP		775	144	7.1	51	118	307	565	675	1	2717	888888888888888888888888888888888888888	82	17	14	Ξ	6	36	68	88	0	326		857	161	85	62	127	343	633	764		3043
Pe		HBD		910	287	101	61	154	389	602	681	21	3206		175	09	=	=	56	46	9	97	2	488		1085	347	112	72	180	435	662	778	23	3694
3e		NOR		2001	2350	21838	24184	30698	40552	20684	10442	280	156029		1443	504	10348	10423	13688	18850	8386	3823	133	86529		6444	2854	32186	34607	44386	59402	29070	14265	413	223627
Damage		g/a		2152	545	181	181	384	973	1445	1624	54	7536		299	69	21	25	34	66	181	202	3	933	000000000000000000000000000000000000000	2451	611	202	206	418	1072	1626	1826	20	8469
Property (IMP		918	201	80	89	157	407	694	768	19	3333		121	23	13	15	16	21	78	66	က	419		1039	224	93	104	173	458	772	867	777	3752
Pro		HBD		1234	341	101	92	227	266	751	856	35	4203		178	46	00	10	18	48	103	103	0	514		1412	387	109	102	245	614	854	959		4717
Hour	of	Crash	Male	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	вы-врш	9pm-12am	Unknown	Total	Female	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	врт-9рт	9pm-12am	Unknown	Total	Fotal	12am-3am	3am-6am	6am-9am	9am-12pm	12pm-3pm	3pm-6pm	md6-md9	9pm-12am	CITATIONE	Total
																								;	-				J,	-			J,		

Table 8

Drinking Drivers In Traffic Crashes:

Annual Number, Rate Per 1,000 Population, and Rate Per 1,000 Licensed Drivers

Ontario, 1981 - 1990

Year	Number of Crash-Involved Drinking Drivers	Population of Ontario*	Drinking Driver Crashes Per 1,000 Population	Number of Licensed Drivers	Drinking Driver Crashes Per 1,000 Licensed Drivers
1981	29,730	8,625,110	3.45	5,123,177	5.80
1982	26,588	8,706,960	3.05	5,247,198	5.07
1983	24,102	8,789,590	2.74	5,380,259	4.48
1984	23,888	8,873,010	2.69	5,513,911	4.33
1985	20,859	8,957,210	2.33	5,660,422	3.69
1986	17,723	9,113,000	1.94	5,817,799	3.05
1987	18,737	9,270,700	2.02	5,978,105	3.13
1988	17,819	9,096,294	1.96	6,118,112	2.91
1989	17,488	9,096,294	1.92	6,290,270	2.78
1990	15,506	9,096,294	1.70	6,448,883	2.40

^{*}Figure for 1981 - Census of Canada.

Figures for 1982-85 are estimated assuming a constant rate of increase from 1981-1986.

Figures for 1986 and 1988 - Postcensal estimates (by regression method), Statistics Canada, Catalogue 91-211, November 1988.

Figure for 1989 and 1990 - Duplication of the 1988 postcensal estimate.

TABLE 9

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1990

Category	Number of	Number Tested	Positive	BAC	Drive	rs Gro	uped By	/ BAC (m	g%)
Drivers	Drivers	for BAC	BAC	>80mg%	Zero	1-49	50-80	81-150	> 150
Age									
16 - 19	54	50	16	9	34	4	3	5	4
20 - 25	105	96	48	41	48	4	3	11	30
26 - 35	124	111	48	41	63	5	2	5	36
36 - 45	99	89	49	41	40	4	4	9	32
46 - 55	49	44	19	17	25	1	1	1	16
> 55	113	96	18	12	78	5	1	2	10
Sex									
Male	430	384	175	147	209	19	9	32	115
Female	114	102	23	14	79	4	5	1	13
Type of Vehicle									
Automobile	379	342	132	106	210	16	10	20	86
Motorcycle / Moped	52	42	23	21	24	1	1	9	12
Truck / Van	92	81	37	31	44	3	3	4	27
Tractor-Trailer	17	13	5	2	8	3	0	0	2
Other	4	3	1	1	2	0	0	0	1
Type of Collision									
Single-Vehicle	203	182	115	99	67	11	5	20	79
Multiple-Vehicle	341	304	83	62	221	12	9	13	49
Total	544	486	198	161	288	23	14	33	128

^{*} Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

TABLE 10
ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1973 - 1990

Year	Number of		ed for AC		Been ing***	Ov 80 n			Grouped C (mg%	
	Drivers**	#	%	#	%	#	%	Zero	1-80	> 80
1973	747	689	92.2%	370	53.7%	307	44.6%	319	63	307
1974	723	649	89.8%	365	56.2%	280	43.1%	284	85	280
1975	776	721	92.9%	423	58.7%	316	43.8%	298	107	316
1976	612	539	88.1%	318	59.0%	251	46.6%	221	67	251
1977	603	534	88.6%	302	56.6%	243	45.5%	232	59	243
1978	587	557	94.9%	310	55.7%	256	46.0%	247	54	256
1979	580	527	90.9%	316	60.0%	255	48.4%	211	61	255
1980	641	590	92.0%	338	57.3%	282	47.8%	252	56	282
1981	666	627	94.1%	377	60.1%	311	49.6%	250	66	311
1982	554	518	93.5%	290	56.0%	241	46.5%	228	49	241
1983	595	548	92.1%	294	53.6%	244	44.5%	254	50	244
1984	526	488	92.8%	264	54.1%	218	44.7%	224	46	218
1985	536	499	93.1%	259	51.9%	199	39.9%	240	60	199
1986	528	497	94.1%	257	51.7%	215	43.3%	240	42	215
1987	610	539	88.4%	254	47.1%	214	39.7%	285	40	214
1988	553	520	94.0%	240	46.2%	175	33.7%	280	65	175
1989	640	584	91.3%	240	41.1%	191	32.7%	344	49	191
1990	544	486	89.3%	198	40.7%	161	33.1%	288	37	161
Average	612	562	91.8%	301	53.6%	242	43.1%	261	59	242

- * Source: Fatality Database, Traffic Injury Research Foundation of Canada.

 (Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)
- ** Drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles excluded), 16 years of age or older, dying within 6 hours of crash involvement.
- *** In this table, "had been drinking" means any amount of alcohol detected in blood samples, INCLUDING blood alcohol concentrations over 80 mg%.

Table 11

Normal and Drinking Drivers Involved in Crashes During 1990:

Rates for Ontario's Counties and Regional Municipalities

	POPULATION**	NORMAL DRIVERS			DRINKING DRIVERS			% Drivers
JURISDICTION		Number	Rate*	Rank	Number	Rate*	Rank	Drinking
Algoma	117339	4680	39.9	8	255	2.2	15	5.2%
Brant	102085	3005	29.4	34	198	1.9	26	6.2%
Bruce	57119	1246	21.8	45	140	2.5	10	10.1%
Cochrane	84846	2707	31.9	24	136	1.6	39	4.8%
Dufferin	34452	1192	34.6	18	103	3.0	6	8.0%
Durham	347837	11416	32.8	22	724	2.1	20	6.0%
Elgin	69174	1703	24.6	43	126	1.8	30	6.9%
Essex	314952	9834	31.2	27	653	2.1	21	6.2%
Frontenac	119332	3873	32.5	23	204	1.7	37	5.0%
Grey	75157	2010	26.7	40	165	2.2	14	7.6%
Haldimand-Norfolk	89225	2331	26.1	41	264	3.0	7	10.2%
Haliburton	11945	493	41.3	4	54	4.5	2	9.9%
Halton	281668	10245	36.4	14	440	1.6	41	4.1%
Hamilton-Wentworth	429466	12845	29.9	33	527	1.2	46	3.9%
Hastings	106240	3650	34.4	20	207	1.9	24	5.4%
Huron	55589	1140	20.5	46	97	1.7	35	7.8%
Kenora	35150	1326	37.7	11	123	3.5	5	8.5%
Kent	105176	3066	29.2	36	185	1.8	34	5.7%
Lambton	119528	3603	30.1	32	227	1.9	29	5.9%
Lanark	49483	1509	30.5	30	105	2.1	19	6.5%
Leeds & Grenville	83166	2523	30.3	31	217	2.6	8	7.9%
Lennox & Addington	32998	912	27.6	37	64	1.9	27	6.6%
Manitoulin	6771	184	27.2	38	33	4.9	1	15.2%
Middlesex	344586	13423	39.0	9	552	1.6	42	3.9%
Muskoka	39958	1835	45.9	1	140	3.5	4	7.1%
Niagara	365197	13403	36.7	12	861	2.4	12	6.0%
Nipissing	74599	2620	35.1	15	120	1.6	38	4.4%
Northumberland	67232	1971	29.3	35	160	2.4	11	7.5%
Ottawa-Carleton	623135	21656	34.8	16	695	1.1	47	3.1%
Oxford	84008	2903	34.6	19	182	2.2	16	5.9%
Parry Sound	30138	1273	42.2	3	110	3.6	3	8.0%
Peel	608327	23287	38.3	10	930	1.5	43	3.8%
Perth	66226	1775	26.8	39	100	1.5	44	5.3%
Peterborough	105493	3328	31.5	25	224	2.1	18	6.3%
Prescott & Russell	59138	1399	23.7	44	93	1.6	40	6.2%
Prince Edward	21793	431	19.8	47	44	2.0	23	9.3%
Rainy River	18981	657	34.6	17	41	2.2	17	5.9%
Renfrew	85953	2117	24.6	42	149	1.7	36	6.6%
Simcoe	241694	9811	40.6	6	600	2.5	9	5.8%
Stormont, Dundas, & Glengarry	101978	3166	31.0	28	198	1.9	25	5.9%
Sudbury District & Reg. Munic.	168677	6949	41.2	5	327	1.9	28	4.5%
Thunder Bay	140951	6275	44.5	2	316	2.2	13	4.8%
Timiskaming	35741	1109	31.0	29	65	1.8	31	5.5%
Toronto (Metro) & York Region	2542851	103886	40.9	7	3599	1.4	45	3.3%
Victoria	55132	1738	31.5	26	114	2.1	22	6.2%
Waterloo	342030	12457	36.4	13	613	1.8	32	4.7%
Wellington	143778	4912	34.2	21	254	1.8	33	4.9%
ONTARIO	9096294	327874	36.0		15734	1.7		4.6%

^{*} Rate per 1,000 Population

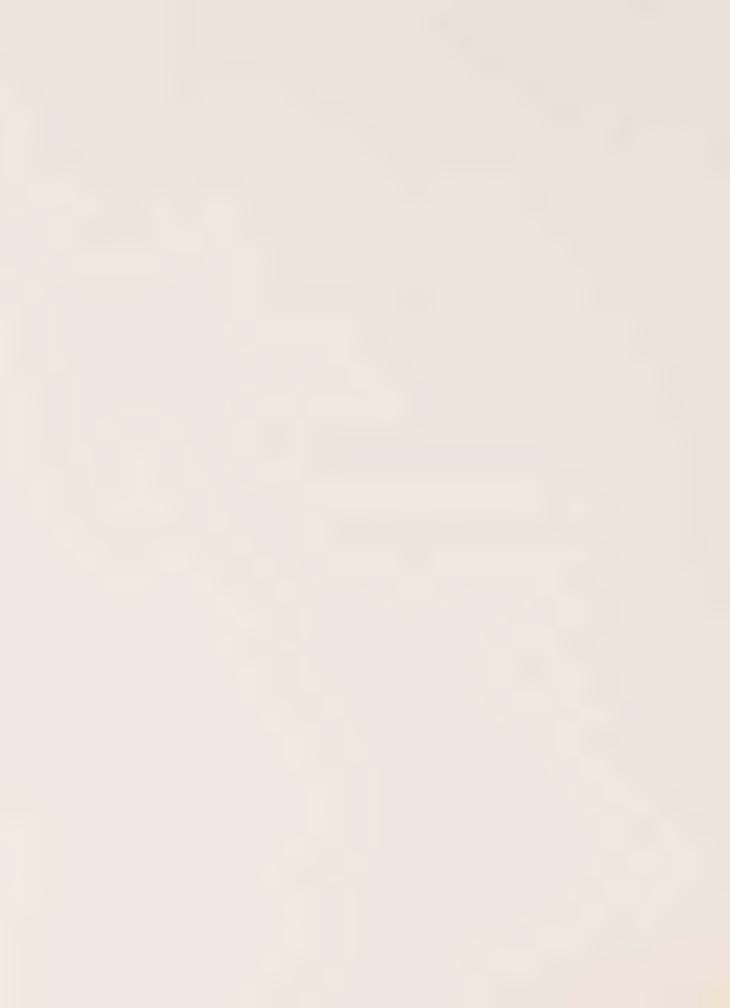
^{**} Estimated 1988 Population



APPENDIX B

1990 STATISTICS ON DRINKING AND DRIVING:

COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO



STATISTICS ON DRINKING AND DRIVING: COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

The following pages, which comprise the greater part of this report, present drinking-driving statistics for Ontario's counties and regional municipalities. In particular, the tables and figures report numbers of **crash-involved** drivers reported by police officers as "normal" (**NOR**), "had been drinking" (**HBD**), or "ability impaired by alcohol" (**IMP**). For each jurisdiction from 1981 through 1990, drivers are grouped by gender and severity of crash (*property damage*, *injury*, *fatal*).

To many readers, these tables of numbers -- or, as researchers would call them, *raw data* -- will no doubt seem of little use, much less of interest. Readers are reminded that this **is** a *statistical* yearbook and that is intended to provide a detailed (not exhaustive) account of Ontario's experience during 1990. "Raw data" often yield answers to questions many people ask, for example: (1) How big is the drinking-driving problem in **my** community? (2) What percentage of drivers involved in traffic crashes have consumed alcohol? (3) Are we making *progress*? This report cannot provide complete answers to all these questions. Only some of the numbers are provided to indicate **what happened** -- and **what happened over time** -- to the problem of drinking and driving on a *local* level.

Based on police-reported data for each county or regional municipality, therefore, the *number* of drinking and normal drivers involved in traffic crashes from 1981 through 1990 are presented. The *number of drinking drivers involved in traffic crashes* is one measure of the magnitude of the problem. The Problem Index -- i.e., the *ratio of crash-involved* **drinking** *drivers to crash-involved* **normal** *drivers* is also plotted. As discussed in Section 2, this measure of drinking-driving problems over time controls for factors (for example, economic conditions) that give rise **both** to alcohol- **and** nonalcohol-related traffic crashes -- notwithstanding programs aimed to reduce impaired-driving problems. Finally, the percentage of crash-involved drivers reported by police as normal, had been drinking (HBD), and impaired are charted for 1990.

ALGOMA

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	ıl İnju	ry		1	Fat	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	ŀ	IBD II	MP I	D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	282	131	413	2663		227	126	353	1253		5	14	19	34	514	271	785	39
1982	206	112	318	2640		163	92	255	1005		4	3	7	20	373	207	580	36
1983	138	96	234	2070		120	83	203	834		2	5	7	12	260	184	444	29
1984	150	78	228	2006		98	91	189	856		7	7	14	17	255	176	431	28
1985	103	59	162	1775		109	85	194	1016		2	3	5	17	214	147	361	28
1986	66	53	119	1499		81	50	131	914		3	8	11	21	150	111	261	24
1987	58	49	107	1521		74	53	127	893		4	2	6	22	136	104	240	24
1988	84	64	148	2465		73	58	131	931		1	6	7	16	158	128	286	34
1989	76	64	140	2689		42	66	108	987		2	4	6	10	120	134	254	36
1990	65	57	122	2212		44	51	95	895		1	2	3	10	110	110	220	31
Fema	le								200000000000000000000000000000000000000									
1981	28	17	45	895		25	11	36	475		2	-1	3	7	55	29	84	13
1982	24	6	30	890		23	8	31	427		0	1	1	2	47	15	62	13
1983	30	6	36	786		25	5	30	334		0	0	0	5	55	11	66	11
1984	15	8	23	805		18	7	25	372		0	0	0	4	33	15	48	11
1985	15	11	26	721		18	4	22	490		0	2	2	2	33	17	50	12
1986	10	6	16	640		18	7	25	413		0	1	1	4	28	14	42	10
1987	7	2	9	707		12	2	14	452		0	0	0	6	19	4	23	11
1988	9	8	17	1029		13	8	21	463		1	1	2	4	23	17	40	14
1989	10	7	17	1153		8	5	13	473		0	0	0	5	18	12	30	16
1990	10	5	15	1031		13	7	20	515		0	0	0	2	23	12	35	18
Total																		
1981	310	148	458	3558		252	137	389	1728		7	15	22	41	569	300	869	53
1982	230	118	348	3530		186	100	286	1432		4	4	8	22	420	222	642	49
1983	168	102	270	2856		145	88	233	1168		2	5	7	17	315	195	510	40
1984	165	86	251	2811		116	98	214	1228		7	7	14	21	288	191	479	40
1985	118	70	188	2496		127	89	216	1506		2	5	7	19	247	164	411	40
1986	76	59	135	2139		99	57	156	1327		3	9	12	25	178	125	303	34
1987	65	51	116	2228		86	55	141	1345		4	2	6	28	155	108	263	30
1988	93	72	165	3494		86	66	152	1394		2	7	9	20	181	145	326	49
1989	86	71	157	3842		50	71	121	1460		2	4	6	15	138	146	284	53
1990	75	62	137	3243		57	58	115	1410		1	2	3	12	133	122	255	40

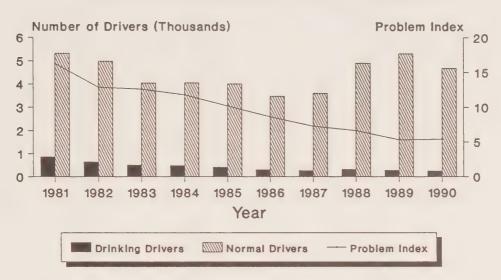
KEY: HBD -- Drivers reported by police to have been drinking

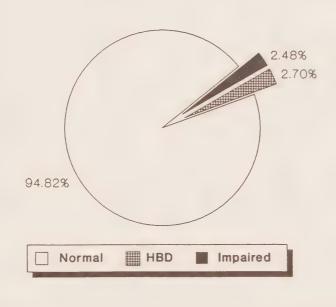
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ALGOMA

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





Drivers Involved in Traffic Crashes, 1981 - 1990

BRANT

Year	Prop	perty	Dam	age	Р	ersona	al Inju	ry		Fat	al		0000000	Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D I	NOR	HBD	IMP	D/D	NOR
Male								3000000								
1981	114	78	192	1511		4 70	164	716	5	2	7	11	213	150	363	223
1982	108	67	175	1362	8	7 41	128	619	7	8	15	6	202	116	318	19
1983	98	59	157	1405	9	6 45	141	678	1	2	3	5	195	106	301	20
1984	79	49	128	1475	8	2 40	122	667	1	2	3	8	162	91	253	21
1985	77	50	127	1445	8	52	133	858	8	4	12	13	166	106	272	23
1986	54	54	108	1354	6	4 56	120	792	1	3	4	11	119	113	232	21
1987	47	54	101	1209	8	1 46	127	756	1	9	10	18	129	109	238	19
1988	62	34	96	1388		54 51	115	784	8	2	10	9	134	87	221	21
1989	67	48	115	1439		60	110	773	0	4	4	12	117	112	229	22
1990	55	48	103	1313	3	8 26	64	598	1	6	7	10	94	80	174	19
Fema	le															
1981	10	3	13	655		8 2	20	329	1	0	1	3	29	5	34	9
1982	15	5	20	630		21 3	24	312	1	3	4	5	37	11	48	9
1983	18	6	24	657		2 3	15	320	0	0	0	5	30	9	39	9
1984	9	5	14	694		2 5	17	352	1	0	1	7	22	10	32	10
1985	7	7	14	649	 	9 4	23	446	0	- 1	1	5	26	12	38	11
1986	5	5	10	625		6 6	22	439	1	- 1	2	2	22	12	34	10
1987	7	6	13	652		8 6	24	439	0	2	2	5	25	14	39	10
1988	3	5	8	694		6 5	21	410	0	0	0	2	19	10	29	11
1989	9	6	15	75 5		8 1	9	463	1	0	1	2	18	7	25	12
1990	6	7	13	709		4 4	8	3 65	0	1	1	2	10	12	22	10
Total																
1981	124	81	205	2166	1	2 72	184	1045	6	2	8	14	242	155	397	32
1982	123	72	195	1992	10	08 44	152	931	8	11	19	11	239	127	366	29
1983	116	65	181	2062	10	8 48	156	998	1	2	3	10	225	115	340	30
1984	88	54	142	2169	9	94 45	139	1019	2	2	4	15	184	101	285	32
1985	84	57	141	2094	10	00 56	156	1304	8	5	13	18	192	118	310	34
1986	59	59	118	1979		30 62	142	1231	2	4	6	13	141	125	266	32
1987	54	60	114	1861		99 52	151	1195	1	11	12	23	154	123	277	30
1988	65	39	104	2082		30 56	136	1194	8	2	10	11	153	97	250	32
1989	76	54	130	2194		58 61	119	1236	1	4	5	14	135	119	254	34
1990	61	55	116	2022		12 30	72	963	1	7	В	12	104	92	196	29

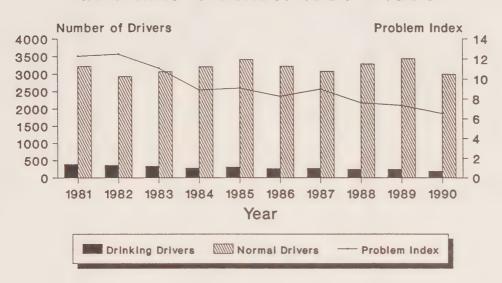
KEY: HBD -- Drivers reported by police to have been drinking

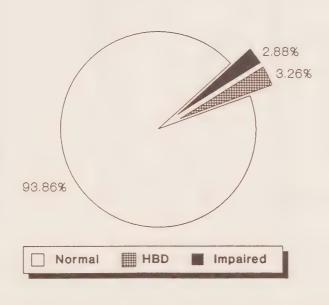
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

BRANT

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





BRUCE

Drivers Involved in Traffic Crashes, 1981 - 1990

1982 118 29 147 602 1983 85 24 109 597 1984 56 27 83 533 1985 59 19 78 524 1986 40 14 54 453 1987 35 14 49 497 1988 38 21 59 590 1989 45 19 64 585 1990 49 18 67 569 Female Female 1981 12 2 14 225 1982 7 2 9 243 1983 11 3 14 210 1984 14 3 17 257 1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3 278 1989 <t< th=""><th>Persona</th><th></th><th></th><th>F</th><th>at</th><th>al</th><th></th><th></th><th>Tot</th><th>al</th><th></th></t<>	Persona			F	at	al			Tot	al	
Male											
1981 87 33 120 713 1982 118 29 147 602 1983 85 24 109 597 1984 56 27 83 533 1985 59 19 78 524 1986 40 14 54 453 1987 35 14 49 497 1988 38 21 59 590 1989 45 19 64 585 1990 49 18 67 569 Female 1981 12 2 14 225 1982 7 2 9 243 1983 11 3 14 210 1984 14 3 17 257 1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3	BD IMP	1		HBD IM	AP [D/D N	IOR	HBD	IMP	D/D	NOR
1982											
1983	113 28	0		2	5	7	6	202	66	268	100
1984	106 30	3		3	4	7	9	227	63	290	9
1985	85 22	4		1	3	4	9	171	49	220	8
1986	87 19	9		1	4	5	6	144	50	194	8
1987 35 14 49 497 1988 38 21 59 590 1989 45 19 64 585 1990 49 18 67 569	86 22	5	; []	0	1	1	2	145	42	187	8
1988	43 15	3		3	5	8	6	86	34	120	7
1989	59 16	6	;	1	2	3	6	95	32	127	7
1990 49 18 67 569 Female 1981 12 2 14 225 1982 7 2 9 243 1983 11 3 14 210 1984 14 3 17 257 1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3 278 1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748	40 13	1		3	4	7	4	81	38	119	8
Female 1981	40 17	В	3	5	2	7	6	90	38	128	8
1981 12 2 14 225 1982 7 2 9 243 1983 11 3 14 210 1984 14 3 17 257 1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3 278 1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	30 16	5	3	0	4	4	5	79	38	117	7
1982											
1983	10 0	2	2	2	0	2	3	24	2	26	3
1984 14 3 17 257 1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3 278 1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	21 2	8		0	0	0	1	28	4	32	3
1985 10 1 11 224 1986 4 1 5 229 1987 7 0 7 199 1988 2 1 3 278 1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	7 2	5		1	0	1	1	19	5	24	3
1986	13 2			0	0	0	3	27	5	32	3
1987	13 4			1	0	1	3	24	5	29	3
1988	6 3	0		0	0	0	2	10	4	14	3
1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	5 1	2	2	1	1	2	2	13	2	15	3
1989 6 3 9 296 1990 8 3 11 301 Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	1 6	0)	0	0	0	3	3	7	10	4
Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	2 1	4		0	0	0	3	8	4	12	4
Total 1981 99 35 134 938 1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	8 3	3	Ⅎ⋘	0	0	0	1	16	6	22	4
1982 125 31 156 845 1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696						******					
1983 96 27 123 807 1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	123 28	2	2	4	5	9	9	226	68	294	13
1984 70 30 100 790 1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	127 32	1		3	4	7	10	255		322	12
1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	92 24	9	1000	2	3	5	10	190		244	11
1985 69 20 89 748 1986 44 15 59 682 1987 42 14 56 696	100 21	9		1	4	5	9	171	55	226	12
1986 44 15 59 682 1987 42 14 56 696	99 26	5		1	1	2	5	169		216	12
1987 42 14 56 696	49 18	3	1333	3	5	8	8	96		134	10
	64 17	8		2	3	5	8	108		142	11
	41 19	1		3	4	7	7	84		129	12
1989 51 22 73 881	42 18	2	1333	5	2	7	9	98		140	13
1990 57 21 78 870	38 19	8	- 889	0	4	4	6	95		139	12

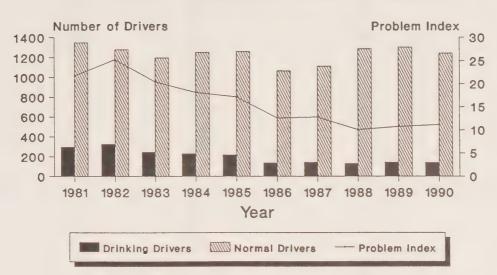
KEY: HBD -- Drivers reported by police to have been drinking

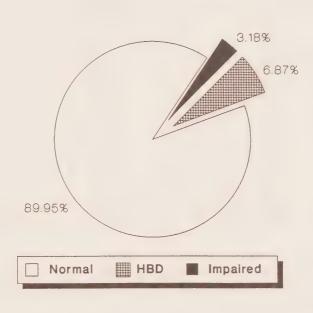
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





COCHRANE

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	erty	Dam	age		Per	rsona	l Inju	ry		F	ata	al			To	tal	
&																		
Sex	HBD	IMP	D/D	NOR	۲	HBD	IMP	D/D	NOR		HBD IN	AP C)/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	115	68	183	1604		107	45	152	678		5	2	7	11	227	115	342	2293
1982	99	56	155	1500		95	52	147	657		4	4	8	16	198	112	310	2173
1983	72	35	107	1310		67	42	109	642		4	0	4	15	143	77	220	1967
1984	80	50	130	1426		62	40	102	648		1	1	2	7	143		234	208
1985	47	45	92	1288		53	33	86	664	***************************************	1	1	2	8	101	79	180	1960
1986	40	30	70	1064		36	30	66	545		0	4	4	5	76	64	140	1614
1987	40	35	75	1081	***	35	44	79	663		2	3	5	9	77	82	159	1753
1988	42	43	85	1553		43	29	72	591	***************************************	0	3	3	12	85	75	160	215
1989	36	30	66	1546		30	32	62	625		0	1	1	12	66	63	129	2183
1990	29	40	69	1470		24	20	44	475		1	0	1	8	54	60	114	1953
Femal	le																	
1981	10	5	15	427		7	4	11	197		0	0	0	2	17	9	26	62
1982	10	3	13	423		8	5	13	189		0	0	0	1	18	8	26	613
1983	9	3	12	393		4	3	7	210		1	1	2	2	14	7	21	60
1984	13	6	19	454		6	3	9	240		0	0	0	3	19	9	28	69
1985	5	3	8	390		6	0	6	246		1	0	1	1	12	3	15	63
1986	2	4	6	377		8	3	11	254		0	0	0	1	10	7	17	63
1987	3	5	8	396		10	3	13	272		. 1	0	1	5	14	8	22	67
1988	7	4	11	515		3	8	11	232		0	0	0	0	10	12	22	74
1989	4	5	9	592		2	10	12	296		0	1	1	1	(16	22	88
1990	4	7	11	530		7	3	10	214		O	0	0	3	11	10	21	74
Total																		
1981	125	73	198	2031		114	49	163	875		5	2	7	13	244	124	368	291
1982	109	59	168	1923		103	57	160	846		4	4	8	17	216	120	336	278
1983	81	38	119	1703		71	45	116	852		5	1	6	17	157	84	241	257
1984	93	56	149	1880		68	43	111	888		1	1	2	10	162	100	262	277
1985	52	48	100	1678		59	33	92	910		2	1	3	9	113	82	195	259
1986	42	34	76	1441		44	33	77	799		0	4	4	6	86	71	157	224
1987	43	40	83	1477		45	47	92	935		3	3	6	14	9.	90	181	242
1988	49	47	96	2068		46	37	83	823		0	3	3	12	9:	87	182	290
1989	40	35	75	2138		32	42	74	921		0	2	2	13	72	79	151	307
1990	33	47	80	2000		31	23	54	689		1	0	1	11	6.	70	135	270

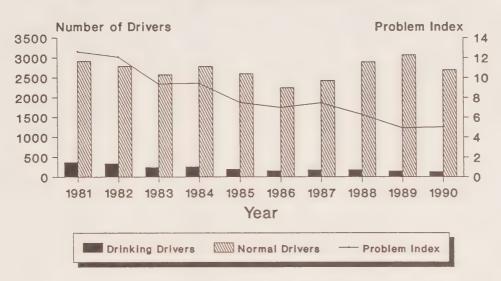
KEY: HBD -- Drivers reported by police to have been drinking

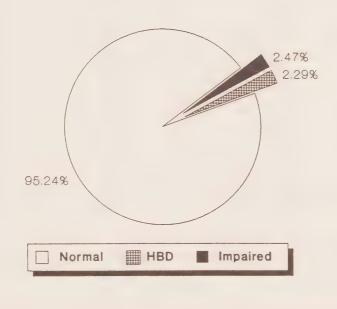
IMP - Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

COCHRANE

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





DUFFERIN

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Pro	perty	Dam	age		Pei	rsona	ıl Inju	ry		Fat	al	8		То	tal	
&																	
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	MP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																	
1981	44	12	56	414		52	11	63	242	1	4	5	5	9	7 27	124	66
1982	41	17	58	386		35	13	48	215	3	4	7	13	7	9 34	113	61
1983	37	16	53	424		37	14	51	219	2	6	8	7	7	6 36	112	65
1984	27	13	40	452		28	13	41	261	0	3	3	6	5	5 29	84	71
1985	24	11	35	460		34	19	53	306	3	0	3	2	6	1 30	91	76
1986	26	16	42	473		53	24	77	288	0	1	1	7	7	9 41	120	76
1987	27	8	35	545		24	15	39	364	2	2	4	8	5	3 25	78	91
1988	38	17	55	688		28	9	37	295	0	0	0	11	6	6 26	92	99
1989	28	13	41	770		26	18	44	284	0	2	2	7	5	4 33	87	106
1990	39	20	59	559		15	16	31	214	1	1	2	10	5	5 37	92	78
Fema	le																
1981	6	3	9	150		4	1	5	93	1	0	1	0	1	1 4	15	24
1982	2	1	3	177		4	0	4	84	0	0	0	3		6 1	7	26
1983	3	0	3	171		3	3	6	70	0	0	0	2		6 3	9	24
1984	4	2	6	218		4	3	7	117	0	0	0	1		8 5	13	33
1985	6	0	6	184		4	0	4	132	0	1	1	0	1	0 1	11	31
1986	2	1	3	206		2	2	4	141	0	0	0	3		4 3	7	35
1987	0	2	2	209		10	3	13	159	0	0	0	3	1	0 5	15	37
1988	5	1	6	288		3	2	5	166	0	0	0	4		8 3	11	45
1989	4	0	4	353		3	1	4	181	0	0	0	7		7 1	8	54
1990	3	1	4	285		6	1	7	116	0	0	0	4		9 2	11	40
Total																	
1981	50	15	65	564		56	12	68	335	2	4	6	5	10	8 31	139	90
1982	43	18	61	563		39	13	52	299	3	4	7	16	8	5 35	120	87
1983	40	16	56	595		40	17	57	289	2	6	8	9	8	2 39	121	88
1984	31	15	46	670		32	16	48	378	0	3	3	7	6	3 34	97	10
1985	30	11	41	644		38	19	57	438	3	1	4	2	7	1 31	102	108
1986	28	17	45	679		55	26	81	429	0	1	1	10	8	3 44	127	111
1987	27	10	37	754		34	18	52	523	2	2	4	11	6	3 30	93	12
1988	43	18	61	976		31	11	42	461	0	0	0	15	7	4 29	103	14
1989	32	13	45	1123		29	19	48	465	0	2	2	14	6	1 34		160
1990	42	21	63	844	888	21	17			1	1	2	14	6	4 39		118

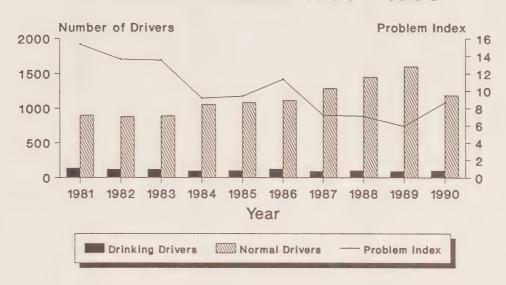
KEY: HBD -- Drivers reported by police to have been drinking

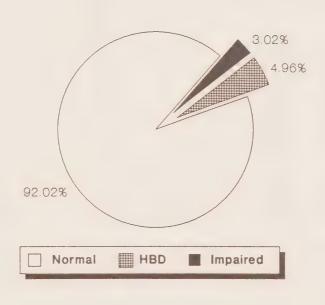
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DUFFERIN

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





DUNDAS

Drivers Involved in Traffic Crashes, 1981 - 1990

	Year	Prop	erty	Dam	age	Per	sona	l Inju	ry		F	ata	al			To	tal	
	&																	
	Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD IN	AP D	D/D N	IOR	HBD	IMP	D/D	NOR
	Male																	
1	981	31	10	41	164	22	6	28	69		1	2	3	6	54	18	72	239
1	982	28	4	32	170	15	5	20	60		3	1	4	4	46	10	56	234
1	983	23	3	26	131	17	5	22	61	***	0	1	1	6	4(9	49	198
1	1984	28	7	35	206	23	13	36	88	*	1	1	2	5	52	21	73	299
1	1985	19	5	24	203	19	10	29	112	*	0	1	1	2	38	16	54	317
1	986	17	9	26	202	16	9	25	98	*	2	1	3	0	35	19	54	300
1	1987	16	5	21	174	19	7	26	117	░	0	0	0	3	35	12	47	294
1	1988	9	9	18	199	13	5	18	79		1	1	2	1	23	15	38	279
1	1989	13	6	19	245	10	8	18	101		1	1	2	3	24	15	39	349
	1990	15	2	17	216	7	6	13	91		0	2	2	4	22	10	32	311
	Fema	le																
1	1981	2	1	3	54	4	0	4	22		0	0	0	1		5 1	7	77
1	1982	2	0	2	60	5	0	5	25		1	0	1	2	8	0	8	87
1	1983	3	0	3	58	1	0	1	30		0	0	0	1		0	4	89
	1984	2	1	3	80	1	0	1	34		0	0	0	0		3 1	4	114
1	1985	1	0	1	89	3	1	4	47		0	0	0	1	4	1	5	137
	1986	2	0	2	82	1	2	3	36		0	0	0	0		3 2	5	118
	1987	1	0	1	74	3	0	3	48		0	0	0	0	4	0	4	122
	1988	1	0	1	80	2	1	3	51		0	0	0	0		3 1	4	131
	1989	0	1	1	110	4	0	4	48		1	0	1	1		5 1	6	159
	1990	2	1	3	104	0	0	0	51		0	0	0	2		2 1	3	157
	Total																	
	1981	33	11	44	218	26	6	32	91		1	2	3	7	6	19	79	316
	1982	30	4	34	230	20	5	25	85		4	1	5	6	5-	10	64	321
	1983	26	3	29	189	18	5	23	91		0	1	1	7	4	9	53	287
	1984	30	8	38	286	24	13	37	122		1	1	2	5	5	5 22	77	413
	1985	20	5	25	292	22	11	33	159		0	1	1	3	4:	2 17	59	454
	1986	19	9	28	284	17	11	28	134		2	1	3	0	3	3 21	59	418
	1987	17	5	22	248	22	7	29	165		0	0	0	3	3:	12	51	416
	1988	10	9	19	279	15	6	21	130		1	1	2	1	2	16	42	410
	1989	13	7	20	355	14	8	22	149		2	1	3	4	2	16	45	508
	1990	17	3	20	320	7	6	13	142		0	2	2	6	2	1 11	35	468

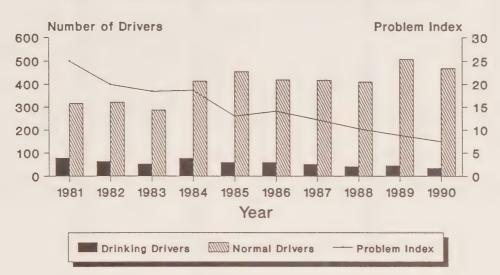
KEY: HBD -- Drivers reported by police to have been drinking

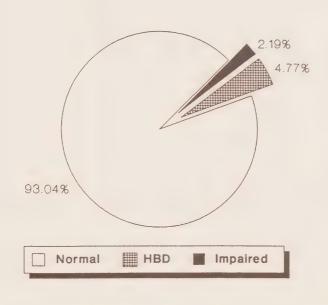
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DUNDAS

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





DURHAM REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry	***		Fat	al				Tot	al	
&															<u> </u>				
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP	D/D 1	NOR	Н	IBD	IMP	D/D	NOR
Male																			
1981	306	150	456	3849		309	121	430	2155		6	13	19	38		621	284	905	6042
1982	276	144	420	3664		268	112	380	2138		10	10	20	35		554	266	820	5837
1983	241	134	375	3525		302	130	432	1983	***	7	19	26	24		550	283	833	5532
1984	269	127	396	3818		295	121	416	2236		1	10	11	78		565	258	823	613
1985	247	118	365	3795		269	131	400	2768	▓	4	10	14	36		520	259	779	6599
1986	224	109	333	3904		235	127	362	2833	▓	7	10	17	32		466	246	712	6769
1987	197	132	329	4188		234	163	397	3100		7	7	14	35		438	302	740	732
1988	239	163	402	5275		177	150	327	2918		8	7	15	36		424	320	744	822
1989	219	167	386	5756		136	147	283	2817	***	3	10	13	37		358	324	682	861
1990	185	166	351	5084		126	121	247	2257		4	10	14	29		315	297	612	737
Fema	le																		
1981	19	13	32	1498		39	13	52	960		3	1	4	5		61	27	88	246
1982	34	10	44	1455		41	9	50	943		1	0	1	9		76	19	95	240
1983	41	12	53	1409		42	12	54	915		Ö	0	0	8		83	24	107	233
1984	38	13	51	1589		31	11	42	1036		0	- 1	1	16		69	25	94	264
1985	27	6	33	1677		41	9	50	1258		O	1	1	8		68	16	84	294
1986	13	8	21	1749		24	6	30	1387		0	0	0	8		37	14	51	314
1987	27	9	36	1842		42	15	57	1553		0	2	2	7		69	26	95	340
1988	33	23	56	2378		41	18	59	1538		0	0	0	13		74	41	115	392
1989	23	20	43	2926		23	20	43	1555		1	0	1	10		47	40	87	449
1990	30	19	49	2639		22	22	44	1367		1	0	1	5		53	41	94	401
Total																			
1981	325	163	488	5162		348	134	482	3115		9	14	23	43		682	311	993	832
1982	310	154	464	511 9		309	121	430	3081		11	10	21	44		630	285	915	824
1983	282	146	428	49 34		344	142	486	2898		7	19	26	32		633	307	940	786
1984	307	140	447	5407		326	132	458	3272		1	11	12	94		634	283	917	877
1985	274	124	398	5472	000000	310	140	450	4026		4	11	15	44		588	275	863	954
1986	237	117	354	565 3		259	133	392	4220		7	10	17	40		503	260	763	991
1987	224	141	365	60 30	100	276	178	454	4653		7	9	16	42		507	328	835	1072
1988	272	186	458	765 3	S	218	168	386	4456		8	7	15	49		498	361	859	1215
1989	242	187	429	86 82		159	167	326	4372		4	10	14	47		405	364	769	1310
1990	215	185	400	7723		148	143	291	3624	1000	5	10	15	34		368	338	706	1138

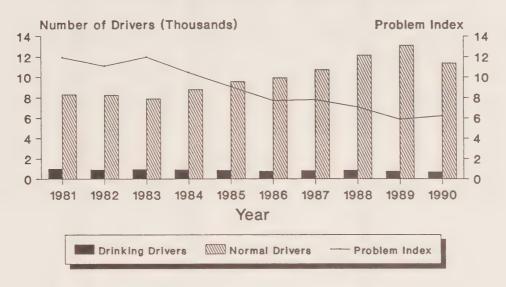
KEY: HBD -- Drivers reported by police to have been drinking

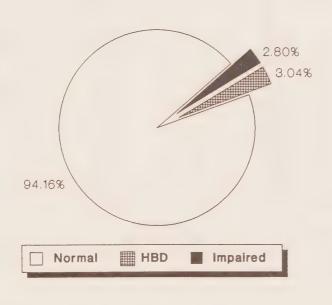
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

DURHAM REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





Drivers Involved in Traffic Crashes, 1981 - 1990

ELGIN

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry		F	ata	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	Н	BD IN	IP D)/D t	NOR	HBD	IMP	D/D	NOR
Male																		
1981	73	44	117	634		62	26	88	333		3	4	7	9	138	74	212	97
1982	61	34	95	621		80	30	110	251		2	2	4	8	143	66	209	88
1983	53	28	81	574		45	31	76	290		Ō	2	2	5	98	61	159	86
1984	43	36	79	711		47	30	77	306		5	2	7	17	95	68	163	103
1985	46	23	69	588		45	28	73	366		Ō	2	2	6	91	53	144	96
1986	38	23	61	625		39	25	64	406		O	6	6	7	77	54	131	103
1987	34	19	53	604		31	32	63	415		ä	4	5	6	66	55	121	10
1988	38	18	56	670		41	21	62	449		Ö	4	4	4	79	43	122	113
1989	27	17	44	730		39	26	65	505		2	3	5	4	68	46	114	12
1990	35	23	58	669		42	17	59	408		Ö	0	0	9	77	40	117	10
Fema	le																	
1981	9	5	14	284		7	1	8	161		0	0	0	6	16	6	22	4
1982	8	2	10	248		8	3	11	136		2	0	2	3	18	5	23	3
1983	4	1	5	254		5	5	10	162		0	0	0	2	9	6	15	4
1984	4	4	8	321		10	2	12	161		0	0	0	3	14	6	20	4
1985	4	5	9	299		5	4	9	219		0	0	0	4	9	9	18	5
1986	6	3	9	267		4	4	8	211		0	0	0	2	10	7	17	4
1987	4	5	9	308		8	3	11	267		1	0	1	4	13	8	21	5
1988	1	4	5	346		5	4	9	273		1	0	1	1	7	8	15	6
1989	6	1	7	414		5	3	8	273		0	0	0	1	11	4	15	6
1990	2	3	5	352		2	2	4	260		0	0	0	2	4	5	9	6
Tota!																		
1981	82	49	131	918		69	27	96	494		3	4	7	15	154	80	234	14
1982	69	36	105	869		88	33	121	387		4	2	6	11	161	71	232	12
1983	57	29	86	828		50	36	86	452		0	2	2	7	107	67	174	12
1984	47	40		1032		57	32	89	467		5	2	7	20	109	74	183	15
1985	50	28	78			50		82	585		0	2	2	10	100	62	162	14
1986	44					43			į.		0	6	6	9	87		148	15
1987	38					39					2	4	6	10	79	63	142	16
1988	39					46		71	722		1	4	5	5	86		137	17
1989	33					44		73	778		2	3	5	5	79	50	129	19
1990	37				800	44	19	63			0	0	0	11	81	45	126	17

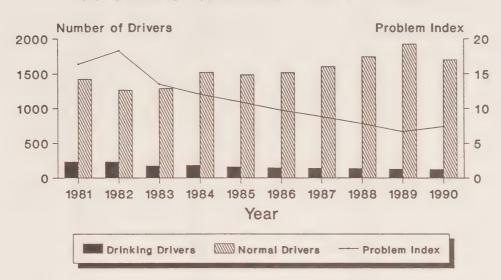
KEY: HBD -- Drivers reported by police to have been drinking

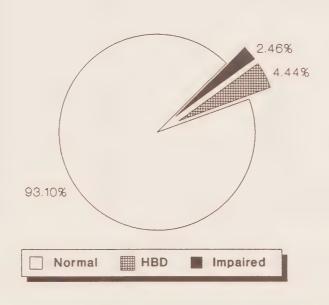
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





ESSEX

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry		F	at	ai			T	ota	I	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	Н	BD II	MP I	D/D I	NOR	HBD	IMP	[D/D	NOR
Male																			
1981	373	162	535	4312		375	135	510	2439		13	2	15	20	76	1 29	9 .	1060	677
1982	297	139	436	3785		385	124	509	2267		6	7	13	19	68	8 27	0	958	607
1983	294	150	444	3890		332	102	434	2392		4	12	16	28	63	0 26	4	894	631
1984	299	176	475	4468		339	153	492	2627		5	11	16	21	64	3 34	0	983	711
1985	229	139	368	4272		332	145	477	2994		9	8	17	25	57	0 29	2	862	729
1986	228	118	346	4162		277	132	409	2983		3	11	14	35	50	8 26	1	769	718
1987	236	112	348	4121		241	135	376	3014		4	11	15	24	48	1 25	8	739	715
1988	192	112	304	4176		219	125	344	2610		3	10	13	27	41	4 24	7	661	681
1989	193	105	298	4458		160	124	284	2581		10	9	19	32	36	3 23	8	601	707
1990	177	119	296	4254		155	114	269	2188		1	4	5	15	33	3 23	7	570	645
Fema	le																		
1981	58	26	84	1706		52	10	62	1074		O	1	1	6	11	0 3	7	147	278
1982	34	7	41	1535		53	15	68	942		O	2	2	9	8	7 2	4	111	248
1983	42	13	55	1587		52	12	64	1047		1	1	2	9	9	5 2	6	121	264
1984	38	16	54	1899		46	10	56	1210		O	1	1	5	8	4 2	7	111	31
1985	27	16	43	1781		40	11	51	1421		Ö	0	0	9	6	7 2	7	94	32
1986	29	25	54	1788		44	24	68	1474		0	2	2	6	7	3 5	1	124	32
1987	32	19	51	1909		40	20	60	1525		O	0	0	5	7	2 3	9	111	343
1988	30	20	50	2069		36	8	44	1425		1	0	1	4	6	7 2	8	95	349
1989	27	18	45	2261		30	8	38	1516		ä	0	1	9	. 5	8 2	:6	84	378
1990	29	17	46	2094		24	8	32	1232		0	1	1	6	5	3 2	:6	79	333
Total																			
1981	431	188	619	6018		427	145	572	3513		13	3	16	26	87	1 33	6	1207	955
1982	331	146	477	5320		438	139	577	3209		6	9	15	28	77	5 29	14	1069	85
1983	336	163	499	5477		384	114	498	3439		5	13	18	37	72	25 29	0	1015	89
1984	337	192	529	6367		385	163	548	3837		5	12	17	26	72	7 36	7	1094	102
1985	256		411	6053		372	156	528	4415		9	8	17	34	63	37 31	9	956	105
1986	257	143	400			321	156	477	4457		3	13	16	41	58	31 31	2	893	104
1987	268		399	6030		281	155	436	4539		4	11	15	29	55	3 29	7	850	105
1988	222		354		l	255	133	388	4035		4	10	14	31	48			756	103
1989	220		343			190	132	322	4097		11	9	20	41	42			685	108
1980	206		342		188	179	122	301	3420		1	5	6	21	38			649	97

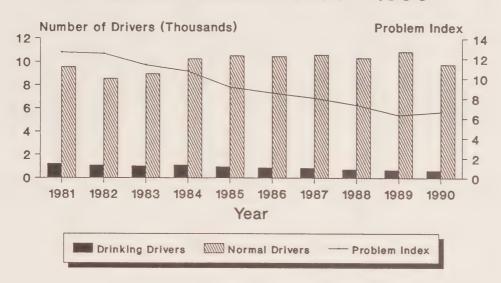
KEY: HBD -- Drivers reported by police to have been drinking

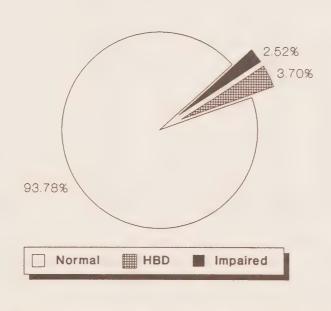
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

ESSEX

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





FRONTENAC

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	ıl Inju	ry	***************************************	ı	ata	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD II	MP [0/D	NOR		HBD	IMP	D/D	NOR
Male																			
1981	106	63	169	1453		101	60	161	783		1	3	4	7	**	208	126	334	2243
1982	103	63	166	1429		75	61	136	728		0	7	7	3		178	131	309	2160
1983	96	58	154	1515		99	50	149	774		3	2	5	13		198	110	308	2302
1984	86	56	142	1659		83	61	144	838		0	3	3	6		169	120	289	250
1985	70	46	116	1689		71	41	112	951		3	2	5	11		144	89	233	265
1986	53	61	114	1584		72	51	123	902		1	7	8	14		126	119	245	250
1987	48	59	107	1595		51	42	93	983		0	6	6	10		99	107	206	258
1988	67	56	123	1865		32	35	67	900		1	3	4	9		100	94	194	277
1989	46	45	91	2259	▓.	46	39	85	992		2	0	2	5		94	84	178	325
1990	62	42	104	1706	▓.	32	37	69	827		0	4	4	16		94	83	177	254
Fema	le																		
1981	12	5	17	588		23	6	29	338		0	0	0	3		35	11	46	92
1982	16	6	22	616		9	1	10	339		0	0	0	0		25	7	32	95
1983	16	4	20	642		15	6	21	322		0	0	0	5		31	10	41	96
1984	9	3	12	640		14	7	21	400		2	0	2	2		25	10	35	104
1985	14	4	18	666		15	6	21	426		0	0	0	1		29	10	39	109
1986	5	9	14	710		11	5	16	464		0	1	1	7	**	16	15	31	118
1987	10	6	16	728		10	4	14	484		0	0	0	2	***	20	10	30	121
1988	6	4	10	845		4	7	11	482		0	1	1	2	**	10	12	22	132
1989	9	4	13	1034		8	4	12	517		0	1	1	3		17	9	26	155
1990	4	6	10	854		4	7	11	456		0	0	0	3		8	13	21	131
Total																			
1981	118	68	186	2041		124	66	190	1121		1	3	4	10		243	137	380	317
1982	119	69	188	2045		84	62	146	1067		0	7	7	3		203	138	341	311
1983	112	62	174	2157		114	56	170	1096		3	2	5	18		229	120	349	327
1984	95	59	154	2299		97	68	165	1238		2	3	5	8		194	130	324	354
1985	84	50	134	2355		86	47	133	1377		3	2	5	12		173	99	272	374
1986	58	70	128	2294		83	56	139	1366		1	8	9	21		142	134	276	368
1987	58	65	123	2323		61	46	107	1467		0	6	6	12		119	117	236	380
1988	73	60	133	2710		36	42	78	1382		1	4	5	- 11		110	106	216	410
1989	55	49	104	3293		54	43	97	1509		2	1	3	8		111	93	204	481
1990	66	48	114	2560		36	44	80	1283		0	4	4	19		102	96	198	386

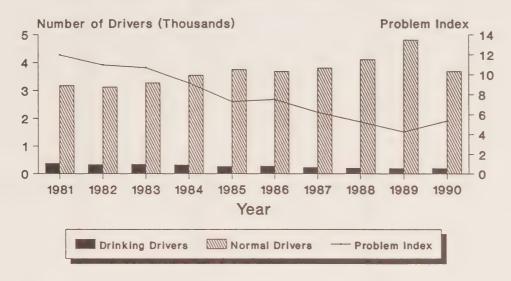
KEY: HBD -- Drivers reported by police to have been drinking

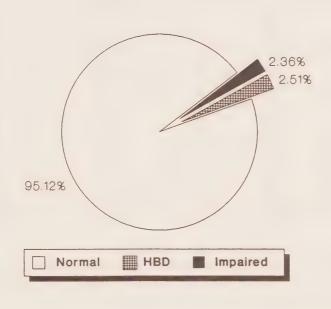
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

FRONTENAC

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





GLENGARRY

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	F	er	sona	l Inju	ry		F	Fata	al			То	tal	
&																		
Sex	HBD	IMP	D/D	NOR	нвс)	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	42	7	49	271		36	10	46	146		4	0	4	7	8	2 17	99	4
1982	36	6	42	290		48	6	54	129		0	5	5	3	8	4 17	101	4
1983	37	8	45	300		41	10	51	136		0	1	1	5	7	8 19	97	4
1984	39	5	44	326		28	11	39	144		0	2	2	3	6	7 18	85	4
1985	25	14	39	310		35	7	42	160		0	0	0	2	6	0 21	81	4
1986	29	5	34	236		17	6	23	123		1	1	2	2	4	7 12	59	3
1987	29	4	33	260		17	9	26	152		3	0	3	4	4	9 13	62	4
1988	32	6	38	345		22	9	31	143		1	0	1	1	5	5 15	70	4
1989	21	6	27	338		14	6	20	128		4	0	4	6	3	9 12	51	4
1990	13	7	20	278		8	6	14	129		0	1	1	8	2	1 14	35	4
Fema	le																	
1981	5	0	5	88		2	1	3	47		0	0	0	0		7 1	8	1
1982	5	0	5	76		2	0	2	52		0	0	0	0		7 0	7	1
1983	2	0	2	89		1	0	1	65		0	0	0	o		3 0	3	1
1984	3	0	3	104		3	0	3	53		0	0	0	1		6 0	6	
1985	3	1	4	103		4	0	4	53		0	1	1	0		7 2	9	
1986	2	0	2	90		2	0	2	53		0	0	0	0		4 0	4	•
1987	O	0	0	123		5	2	7	68		0	1	1	o		5 3	8	
1988	8	0	1	126		0	0	0	67		0	1	1	0		1 1	2	•
1989	1	0	1	130		5	0	5	55		0	0	0	o		6 0	6	1
1990	0	0	0	140		3	0	3	68		0	0	0	3		3 0	3	2
Total																		
1981	47	7	54	359		38	11	49	193		4	0	4	7	8	9 18	107	5
1982	41	6	47	366		50	6	56	181		0	5	5	3	9	1 17	108	
1983	39	8	47	389		42	10	52	201		0	1	1	5	8	1 19	100	
1984	42	5	47	430		31	11	42	197		0	2	2	4	7	3 18	91	(
1985	28	15	43	413		39	7	46	213		0	1	1	2	6	7 23	90	
1986	31	5	36	326		19	6	25	176		1	1	2	2	5	1 12		:
1987	29	4	33	383		22	11	33	220		3	1	4	4	5	4 16		
1988	33	6	39			22	9	31	210		1	1	2	1	5	6 16		
1989	22		28			19	6	25	183		4	0	4	6	4	5 12		(
1990	13		20			11	6	17		****	0	1	1	11	2	4 14		(

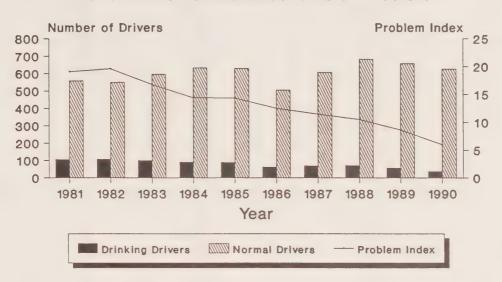
KEY: HBD -- Drivers reported by police to have been drinking

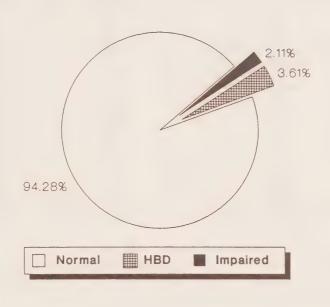
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GLENGARRY

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





GRENVILLE

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	Р	ersona	al Inju	ry		Fat	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBI	OIMP	D/D N	NOR	HBD	IMP	D/D	NOR
Male																
1981	22	11	33	246	3	7 9	46	119		1 0	1	8	60	20	80	373
1982	33	13	46	247	3	1 16	47	109		1 3	4	3	65	32	97	359
1983	32	11	43	312	3	3 10	43	134		1 2	3	8	66	23	89	454
1984	21	8	29	293	3	3 12	45	139		0 2	2	3	54	22	76	435
1985	33	8	41	315	3	1 8	39	158		1 2	3	10	65	18	83	483
1986	33	3	36	258	2	7 8	35	129		1 0	1	4	61	11	72	391
1987	19	11	30	297	2	4 3	27	146		0 3	3	7	43	17	60	450
1988	31	9	40	337	1	7 10	27	142		0 2	2	11	48	21	69	490
1989	13	13	26	428	1	8 8	26	189		0 0	0	4	31	21	52	621
1990	31	12	43	375	2	0 8	28	113	<u> </u>	3 2	5	2	54	22	76	490
Fema	le															
1981	3	1	4	91		5 0	5	44		0 1	1	1	8	2	10	136
1982	4	2	6	102		3 2	5	44		0 0	0	1	7	4	11	147
1983	4	2	6	134		8 1	9	59		0 0	0	1	12	3	15	194
1984	4	0	4	120		3 1	4	64		0 0	0	2	7	1	8	186
1985	5	0	5	133	1	3 0	13	71		0 0	0	2	18	0	18	206
1986	2	0	2	110		5 0	5	66		0 0	0	0	7	0	7	176
1987	1	1	2	114		2 0	2	92		1 0	1	2	4	1	5	208
1988	3	0	3	179		1 0	1	59		1 0	1	0	5	0	5	238
1989	2	0	2	196		1 0	1	99		0 0	0	1	3	0	3	296
1990	3	2	5	199		0 0	0	56		0 0	0	2	3	2	5	257
Total																
1981	25	12	37	337	4	2 9	51	163		1 1	2	9	68	22	90	509
1982	37	15	52	349		18	52	153		1 3	4	4	72	36	108	506
1983	36	13	49	446	4	11 11	52	193		1 2	3	9	78	26	104	648
1984	25	8	33	413		36 13	49	203		0 2	2	5	61	23	84	62
1985	38	8	46	448	4	14 8	52	229		1 2	3	12	83	18	101	689
1986	35	3	38	368		32 8	40	195		1 0	1	4	68	11	79	567
1987	20	12	32	411		26 3	29	238		1 3	4	9	47	18	65	658
1988	34	9	43	516		18 10	28	201		1 2	3	11	53	21	74	728
1989	15	13	28	624		9 8	27	288		0 0	0	5	34	21	55	917
1990	34	14	48	574		20 8	28	169		3 2	5	4	57	24	81	747

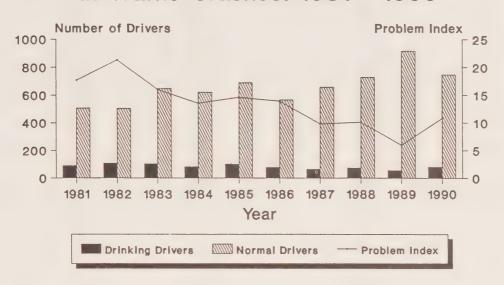
KEY: HBD -- Drivers reported by police to have been drinking

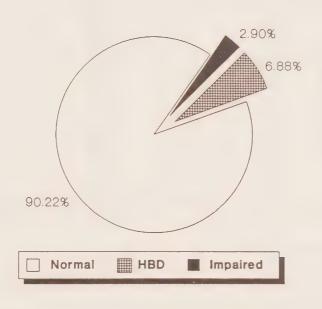
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GRENVILLE

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





Drivers Involved in Traffic Crashes, 1981 - 1990

GREY

Year	ar Property Damage						Personal Injury						al			Total				
&																				
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD II	MP (D/D N	NOR		HBD	IMP	D/D	NOR	
Male																				
1981	110	40	150	853		96	27	123	428		3	1	4	12		209	68	277	129	
1982	80	31	111	840		73	25	98	379		3	4	7	5	***	156	60	216	122	
1983	80	38	118	756	***	96	28	124	381		3	5	8	8		179	71	250	114	
1984	69	40	109	823		93	22	115	362		1	7	8	6	**	163	69	232	119	
1985	51	28	79	813		76	29	105	437		4	2	6	15	**	131	59	190	126	
1986	43	17	60	691	***	78	27	105	397		2	5	7	5		123	49	172	109	
1987	56	20	76	833		66	28	94	502		2	0	2	11		124	48	172	134	
1988	54	28	82	895	**	42	22	64	426		1	5	6	7	▓	97	55	152	132	
1989	37	25	62	993	**	50	23	73	525		11	1	12	20		98	49	147	153	
1990	62	18	80	923		38	27	65	359		0	5	5	9	▓	100	50	150	129	
Fema	ie																			
1981	9	3	12	319		14	1	15	195		0	1	1	2	※	23	5	28	5	
1982	8	0	8	329		8	1	9	168		0	0	0	1		16	1	17	49	
1983	7	3	10	264	***	9	1	10	155		0	0	0	4	***	16	4	20	42	
1984	8	3	11	387		16	1	17	203		0	0	0	5		24	4	28	59	
1985	4	4	8	331		5	1	6	228		0	1	1	1		9	6	15	50	
1986	3	5	8	336		4	3	7	173		1	0	1	3		8	8	16	5	
1987	3	6	9	437		14	3	17	221		0	1	1	2		17	10	27	6	
1988	6	2	8	448		6	1	7	254		1	0	1	8		13	3	16	7	
1989	2	1	3	504		6	3	9	260		0	0	0	4		8	4	12	7	
1990	6	2	8	489		3	4	7	224		0	0	0	1		9	6	15	7	
Total																				
1981	119	43	162	1172		110	28	138	623		3	2	5	14		232	73	305	180	
1982	88	31	119	1169		81	26	107	547		3	4	7	6		172	61	233	17:	
1983	87	41	128	1020		105	29	134	536		3	5	8	12		195	75	270	15	
1984	77	43	120	1210		109	23	132	565		1	7	8	11		187	73	260	17	
1985	55	32	87	1144		81	30	111	665		4	3	7	16		140	65	205	18	
1986	46	22	68	1027		82	30	112	570		3	5	8	8		131	57	188	16	
1987	59	26	85	1270		80	31	111	723		2	1	3	13		141	58	199	20	
1988	60	30	90	1343		48	23	71	680		2	5	7	15		110	58	168	20	
1989	39	26	65	1497		56	26	82	785		11	1	12	24		106	53	159	23	
1990	68	20	88	1412		41	31	72	583		0	5	5	10		109	56	165	20	

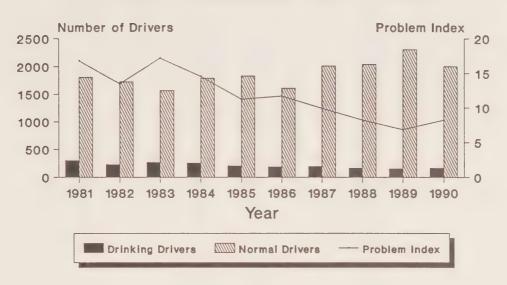
KEY: HBD -- Drivers reported by police to have been drinking

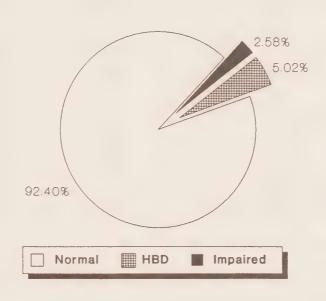
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

GREY

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

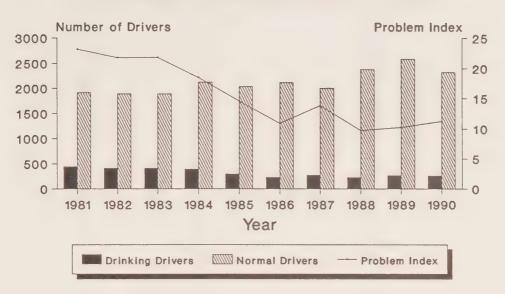
Year	Prop	perty	Dam	age		Personal Injury						Fat	al			Total				
Z																				
Sex	HBD	IMP	D/D	NOR	НВ	D	IMP	D/D	NOR	H	IBD II	MP I	D/D	NOR	HBD	IMP	D/D	NOR		
Male				8000																
1981	151	51	202	869		180	25	205	480	***	0	3	3	15	33	79	410	136		
1982	142	36	178	866		156	32	188	480	**	6	6	12	10	30	74	378	135		
1983	113	43	156	814		166	36	202	492		4	10	14	10	28	89	372	131		
1984	118	38	156	906		163	24	187	527		8	6	14	21	28	68	357	145		
1985	77	35	112	909		114	25	139	473		4	6	10	17	19	5 66	261	139		
1986	68	21	89	915		79	36	115	509		3	2	5	12	15	59	209	143		
1987	80	27	107	777		91	30	121	526	***	5	7	12	15	170	64	240	13		
1988	67	24	91	1000		70	39	109	535		3	4	7	13	14	67	207	154		
1989	76	34	110	1182		74	38	112	500		7	2	9	14	15	7 74	231	169		
1990	69	49	118	1053		71	34	105	444		6	6	12	11	14	89	235	150		
Fema	le																			
1981	9	4	13	342		18	3	21	207		0	0	0	3	2	7 7	34	5		
1982	15	4	19	307		11	3	14	223		1	0	1	4	2	7 7	34	5		
1983	16	1	17	345		21	1	22	223		1	1	2	6	3	3 3	41	5		
1984	15	3	18	410		14	2	16	253		П	0	1	5	3	5	35	6		
1985	15	3	18	390		15	2	17	241		Ō	0	0	2	3	5	35	6		
1986	5	3	8	393	*	11	1	12	277		O	1	1	7	10	5 5	21	6		
1987	13	1	14	386		20	2	22	293		Ō	0	0	3	3	3 3	36	6		
1988	7	4	11	559		10	3	13	270		1	0	1	4	1	3 7	25	8		
1989	8	5	13	598		15	6	21	284		Ō	0	0	7	2	3 11	34	8		
1990	11	1	12	573		6	8	14	241		0	0	0	4	1	7 9	26	8		
Total																				
1981	160	55	215	1211		198	28	226	687		0	3	3	18	35	86	444	19		
1982	157	40	197	1173		167	35	202	703		7	6	13	14	33	1 81	412	18		
1983	129	44	173	1159		187	37	224	715		5	11	16	16	32	1 92	413	18		
1984	133	41	174	1316		177	26	203	780		9	6	15	26	31	73	392	21		
1985	92	38	130	1299		129	27	156	714		4	6	10	19	22	5 71	296	20		
1986	73	24	97	1308		90	37	127	786		3	3	6	19	16	64	230	21		
1987	93	28	121	1163		111	32	143	819		5	7	12	18	20	9 67	276	20		
1988	74	28	102	1559		80	42	122	805		4	4	8	17	15	3 74		23		
1989	84	39	123	1780		89	44	133	784		7	2	9	21	18	0 85		25		
1990	80	50	130	1626		77	42	119	685		6	6		15	16			23		

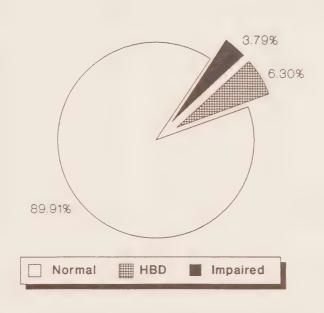
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

HALDIMAND-NORFOLK REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HALIBURTON

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	Pe	Personal Injury						al		Total				
&																		
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	ŀ	HBD II	MP E	D/D N	OR	нвс)	IMP	D/D	NOR
Male																		
1981	34	10	44	181	36	12	48	83		0	1	1	0		70	23	93	26
1982	25	4	29	185	34	10	44	101		0	0	0	2		59	14	73	28
1983	34	8	42	179	25	4	29	92		0	2	2	2		59	14	73	27
1984	20	6	26	202	33	6	39	85		1	1	2	2		54	13	67	28
1985	20	4	24	191	21	8	29	78		2	1	3	3		43	13	56	27
1986	18	4	22	167	24	5	29	94		2	1	3	1		44	10	54	26
1987	29	4	33	214	12	6	18	99		2	1	3	1		43	11	54	31
1988	21	7	28	289	34	5	39	89		2	2	4	7		57	14	71	38
1989	18	8	26	279	13	4	17	143		2	0	2	3		33	12	45	42
1990	20	3	23	251	18	3	21	60		0	0	0	1		38	6	44	31
Fema	le																	
1981	6	2	8	49	3	1	4	43		0	0	0	2		9	3	12	9
1982	2	0	2	65	2	2	4	45		0	1	1	1		4	3	7	11
1983	2	0	2	62	6	1	7	37		0	0	0	1		8	1	9	10
1984	3	1	4	75	5	2	7	34		1	0	1	0		9	3	12	10
1985	2	0	2	60	5	0	5	49		1	0	1	1		8	0	8	11
1986	0	1	1	60	3	0	3	41		0	0	0	0		3	1	4	10
1987	2	0	2	67	5	0	5	41		0	0	0	1		7	0	7	10
1988	2	0	2	105	2	0	2	56		0	1	1	1		4	1	5	10
1989	2	2	4	143	4	0	4	60		0	0	0	2		6	2	8	21
1990	0	3	3	127	5	0	5	53		0	0	0	0		5	3	8	18
Total																		
1981	40	12	52	230	39	13	52	126		0	1	1	2		79	26	105	3
1982	27	4	31	250	36	12	48	146		0	1	1	3		63	17	80	3
1983	36	8	44	241	31	5	36	129		0	2	2	3		67	15	82	3
1984	23	7	30	277	38	8	46	119		2	1	3	2		63	16	79	3
1985	22	4	26	251	26	8	34	127		3	1	4	4		51	13	64	3
1986	18	5	23	227	27	5	32	135		2	1	3	1		47	11	58	3
1987	31	4	35	281	17	6	23	140		2	1	3	2		50	11	61	4
1988	23	7	30	394	36	5	41	145		2	3	5	8		61	15	76	5
1989	20	10	30	422	17	4	21	203		2	0	2	5		39	14	53	6
1990	20	6	26	378	23	3	26	113		0	0	0	1		43	9	52	4

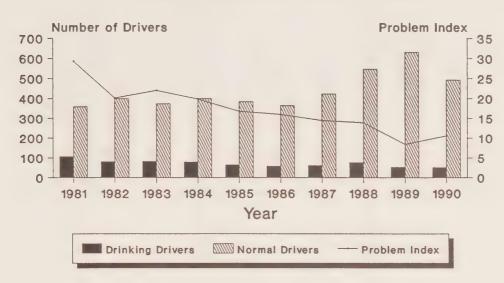
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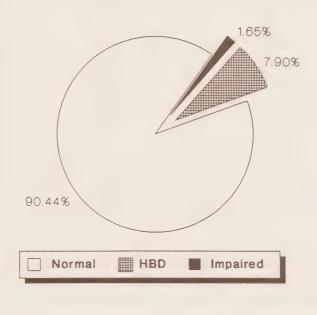
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HALIBURTON

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HALTON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

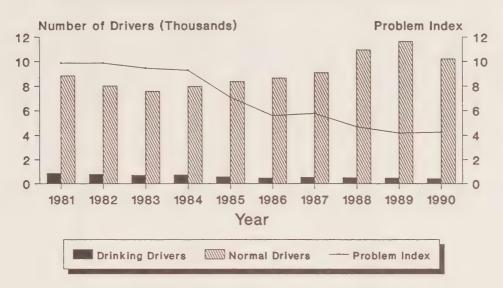
Year	Prop	Property Damage					Personal Injury						al		Total					
8																				
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP I	D/D I	NOR	HBD	IMP	D/D	NOR		
Male																				
1981	262	142	404	3929		259	103	362	2314		7	9	16	19	528	254	782	626		
1982	236	111	347	3718	▓	274	94	368	1883		4	6	10	19	514	211	725	562		
1983	216	96	312	3278	**	202	96	298	1855		6	11	17	22	424	203	627	515		
1984	230	116	346	3491	***	189	106	295	2020		4	12	16	32	423	3 234	657	554		
1985	178	74	252	3694	▓	161	92	253	2030		7	8	15	15	346	174	520	573		
1986	112	91	203	3525	**	114	85	199	2343		6	9	15	25	233	185	417	589		
1987	108	96	204	3793	***	127	124	251	2270		7	8	15	30	242	228	470	609		
1988	129	95	224	5052	***	127	84	211	2267		8	10	18	22	264	189	453	734		
1989	125	110	235	5567		102	84	186	2138		7	3	10	29	234	197	431	773		
1990	108	106	214	4890		90	71	161	1870		2	5	7	25	200	182	382	678		
Fema	le																			
1981	34	10	44	1600		36	12	48	983		1	0	1	5	7	22	93	258		
1982	26	5	31	1562	***	30	8	38	845		Ö	0	0	2	56	13	69	240		
1983	36	10	46	1487		38	6	44	927		Ö	0	0	5	74	16	90	241		
1984	32	11	43	1529		30	9	39	886		- 1	0	1	8	63	3 20	83	242		
1985	29	13	42	1608		25	5	30	1016		1	0	1	3	55	18	73	262		
1986	19	4	23	1612	***	27	15	42	1134		1	0	1	7	47	19	66	275		
1987	16	9	25	1805	***	21	9	30	1170		О	0	0	8	37	18	55	298		
1988	22	10	32	2402	***	19	8	27	1176		0	0	0	4	4	18	59	358		
1989	13	15	28	2705		18	8	26	1183		10	1	1	10	3.	24	55	389		
1990	20	13	33	2395		10	7	17	1020		2	0	2	7	32	2 20	52	342		
Total								-												
1981	296	152	448	5529		295	115	410	3297		8	9	17	24	599	276	875	885		
1982	262	116	378	5280		304	102	406	2728		4	6	10	21	570	224	794	802		
1983	252	106	358	4765		240	102	342	2782		6	11	17	27	498	219	717	757		
1984	262	127	389	5020		219	115	334	2906		5	12	17	40	486	254	740	796		
1985	207	87	294	5302		186	97	283	3046		8	8	16	18	40		593	836		
1986	131	95	226	5137		141	100	241	3477		7	9	16	32	279		483	864		
1987	124	105	229	5598		148	133	281	3440		7	8	15	38	279		525	907		
1988	151	105	256	7454		146	92	238	3443		8	10	18	26	30		512	1092		
1989	138	125	263	8272		120	92	212	3321		7	4	11	39	26!		486	1163		
1990	128	119	247	7285		100	78	178	2890		4	5	9	32	232		434	1020		

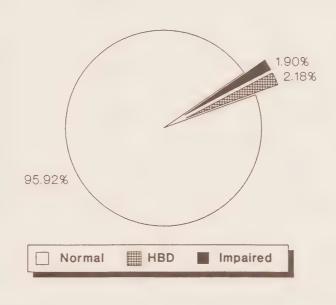
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HALTON REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HAMILTON-WENTWORTH REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

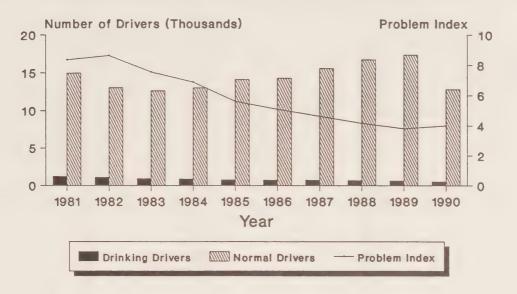
Year	Prop	perty	Dam	age		Per		Fatal					Total							
8.																				
Sex	HBD	IMP	D/D	NOR	H	IBD	IMP	D/D	NOR	HE	BD IN	MP [D/D N	IOR	HBD	IMP	D/D	NOR		
Male																				
1981	313	231	544	6902		394	178	572	4334		10	6	16	34	717	415	1132	1127		
1982	307	197	504	5991		335	158	493	3673		5	11	16	32	647	366	1013	969		
1983	251	150	401	5639		316	128	444	3609		5	9	14	22	572	287	859	927		
1984	252	163	415	5742		236	137	373	3682		7	9	16	36	495	309	804	946		
1985	181	141	322	5788		228	155	383	4343		5	10	15	32	414	306	720	1016		
1986	160	130	290	5549		175	175	350	4511		5	7	12	37	340	312	652	1009		
1987	160	130	290	5967		173	160	333	4992		7	12	19	39	340	302	642	1099		
1988	185	145	330	7429		150	117	267	4271		9	4	13	38	344	266	610	1173		
1989	190	136	326	7519		130	128	258	4439		5	5	10	35	325	269	594	1199		
1990	103	133	236	5233		106	118	224	3527		3	6	9	33	212	257	469	879		
Fema	le																			
1981	27	16	43	2146		58	14	72	1517		0	1	1	4	85	31	116	36		
1982	45	19	64	1969		34	13	47	1355		1	0	1	7	80	32	112	333		
1983	28	7	35	1974		42	13	55	1352		0	1	1	8	70	21	91	333		
1984	19	22	41	2143		27	19	46	1384		0	1	1	7	46	42	88	353		
1985	13	11	24	2206		25	18	43	1687		1	0	1	4	39	29	68	38		
1986	26	10	36	2229		19	16	35	1904		0	0	0	13	45	26	71	41		
1987	25	9	34	2333		28	12	40	2183		0	2	2	5	53	23	76	45		
1988	27	24	51	3021		22	10	32	1953		0	1	1	9	49	35	84	49		
1989	21	16	37	3220		10	15	25	2094		0	1	1	8	31	32	63	53		
1990	12	11	23	2279		13	7	20	1727		0	0	0	3	25	18	43	40		
Total																				
1981	340	247	587	9048		452	192	644	5851		10	7	17	38	802	446	1248	149		
1982	352	216	568	7960		369	171	540	5028		6	11	17	39	727	398	1125	130		
1983	279	157	436	7613		358	141	499	4961		5	10	15	30	642	308	950	126		
1984	271	185	456	7885		263	156	419	5066		7	10	17	43	54	351	892	129		
1985	194		346	7994		253	173	426	6030		6	10	16	36	453	335	788	140		
1986	186			7778		194	191	385	6415		5	7	12	50	38	338	723	142		
1987	185			8300		201	172	373	7175		7	14	21	44	393		718	155		
1988	212			10450		172		299	6224		9	5	14	47	393		694	167		
1989	211			10739		140	143	283	6533		5	6	11	43	350		657	173		
1990	115					119	125	244	5254		3	6	9	36	23		512	128		

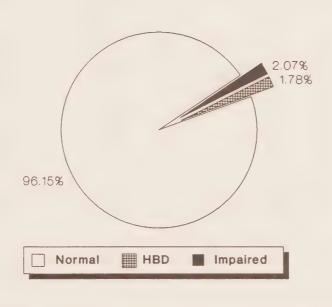
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HAMILTON-WENTWORTH REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HASTINGS

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry		Fat	al		Total					
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	IMP	D/D N	NOR	HBD	IMP	D/D	NOR		
Male																			
1981	145	81	226	1526		121	49	170	692	5	7	12	16	271	137	408	223		
1982	165	84	249	1471		132	62	194	599	6	5	11	25	303	151	454	209		
1983	106	62	168	1354		104	67	171	673	4	6	10	12	214	135	349	203		
1984	114	70	184	1432		100	53	153	716	5	9	14	17	219	132	351	216		
1985	77	43	120	1413		104	53	157	797	8	6	14	9	189	102	291	221		
1986	58	43	101	1395		74	41	115	702	4	5	9	12	136	89	225	210		
1987	79	32	111	1337		74	47	121	745	1	9	10	19	154	88	242	210		
1988	83	44	127	1679		56	42	98	737	4	1	5	12	143	87	230	242		
1989	83	55	138	1941		57	40	97	739	3	5	8	14	143	100	243	269		
1990	64	46	110	1697		44	31	75	638	2	5	7	14	110	82	192	234		
Fema	le																		
1981	12	5	17	567		19	3	22	293	1	0	1	5	32	8	40	86		
1982	13	4	17	563		17	4	21	259	O	0	0	4	30	8	38	82		
1983	25	5	30	565		13	3	16	281	2	0	2	4	40	8	48	8		
1984	15	5	20	654		11	3	14	296	2	1	3	7	28	9	37	9		
1985	11	6	17	669		19	9	28	365	1	0	1	8	31	15	46	10-		
1986	12	1	13	643		10	4	14	372	10	1	1	3	22	6	28	10		
1987	5	4	9	644		12	2	14	446	1	0	1	3	18	6	24	10		
1988	13	5	18	810		11	2	13	403	o	0	0	2	24	7	31	12		
1989	10	8	18	984		7	7	14	385	1	1	2	9	18	16	34	13		
1990	3	2	5	903		6	2	8	384	O	0	0	7	9	4	13	12		
Total																			
1981	157	86	243	2093		140	52	192	985	6	7	13	21	303	145	448	30		
1982	178	88	266	2034		149	66	215	858	6	5	11	29	333	159	492	29		
1983	131	67	198	1919		117	70	187	954	6	6	12	16	254	143	397	28		
1984	129	75	204	2086		111	56	167	1012	7	10	17	24	247	141	388	31		
1985	88	49	137	2082		123	62	185	1162	g	6	15	17	220	117	337	32		
1986	70	44	114	2038		84	45	129	1074	4	6	10	15	158	95	253	31		
1987	84	36				86	49	135	1191	2	9	11	22	172	94	266	31		
1988	96					67		111	1140	4	1	5	14	167	94	261	36		
1989	93					64		111	1124	4	6	10	23	161	116	277	40		
1990	67				-188	50				2			21	119		205	36		

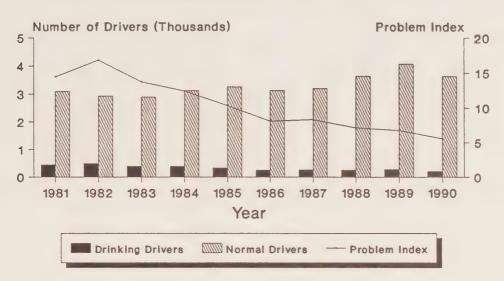
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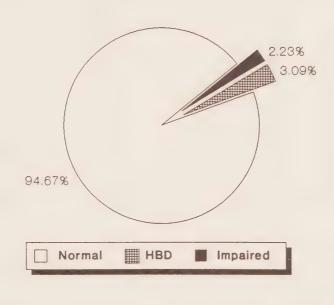
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HASTINGS

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





HURON

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry		Fat	al			To	tal	
&																	
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	IMP I	D/D N	NOR	HBD	IMP	D/D	NOR
Male																	
1981	97	17	114	650		102	7	109	315	3	2	5	9	20	2 26	228	974
1982	111	17	128	597		84	9	93	252	4	2	6	15	19	28	227	864
1983	92	14	106	571		101	14	115	245	2	6	8	5	19	34	229	82
1984	77	9	86	584		87	13	100	235	4	5	9	8	16	3 27	195	82
1985	75	15	90	572		70	12	82	288	1	4	5	7	14	31	177	86
1986	46	16	62	491		49	17	66	238	1	5	6	6	9	38	134	73
1987	47	14	61	452		42	13	55	291	0	1	1	8	8	28	117	75
1988	45	9	54	528		42	14	56	222	2	4	6	4	8	27	116	75
1989	34	7	41	583	▓Ⅰ	22	7	29	251	1	1	2	8	5	7 15	72	84
1990	30	11	41	534	∭[29	9	38	216	4	0	4	6	6	3 20	83	75
Fema	le																
1981	9	1	10	230		9	0	9	111	0	0	0	0	1.	3 1	19	34
1982	11	1	12	229		6	0	6	94	1	1	2	3	1.	3 2	20	32
1983	7	0	7	223		9	2	11	112	0	0	0	3	1	5 2	18	33
1984	7	2	9	254		9	1	10	114	0	2	2	6	1	5 5	21	37
1985	10	1	11	256		11	0	11	140	0	1	1	2	2	1 2	23	39
1986	4	1	5	253		5	3	8	157	0	0	0	5		9 4	13	41
1987	3	4	7	235		2	0	2	164	0	1	1	4		5 5	10	40
1988	3	1	4	298		5	0	5	154	o	0	0	2		3 1	9	45
1989	5	2	7	291		7	0	7	154	0	0	0	3	1	2 2	14	44
1990	6	2	8	257		4	0	4	122	1	0	1	2	1	1 2	13	38
Total																	
1981	106	18	124	880		111	7	118	426	3	2	5	9	22	27	247	131
1982	122	18	140	826		90	9	99	346	5	3	8	18	21	7 30	247	119
1983	99	14	113	794		110	16	126	357	2	6	8	8	21	1 36	247	115
1984	84	11	95	838		96	14	110	349	4	7	11	14	18	4 32	216	120
1985	85	16	101	828		81	12	93	428	1	5	6	9	16	7 33	200	126
1986	50	17	67	744		54	20	74	395	1	5	6	11	10	5 42	147	115
1987	50	18	68	687		44	13	57	455	C	2	2	12	9	4 33	127	115
1988	48	10	58	826		47	14	61	376	2	4	6	6	9			120
1989	39	9	48	874		29	7	36	405	1	1	2	11	6			129
1990	36	13	49	791		33	9	42	338	5	0	5	8	7	4 22		113

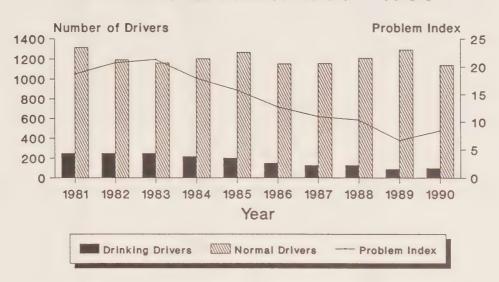
KEY: HBD -- Drivers reported by police to have been drinking

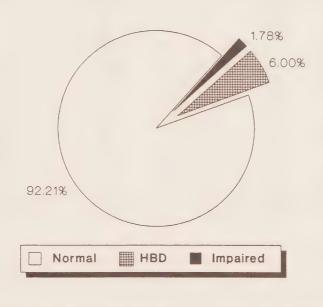
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





KENORA

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Pro	perty	Dam	age	Per	sona	I Inju	ry	F	ata	al				Γot	al	
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP [1 D/C	NOR	HBD	IM	Р	D/D	NOR
Male																	
1981	131	42	173	855	65	42	107	337	3	4	7	20	19	9	88	287	1212
1982	90	40	130	779	56	29	85	250	0	2	2	9	14	6	71	217	1038
1983	76	42	118	711	53	35	88	234	0	3	3	11	12	9	80	209	956
1984	74	37	111	846	65	32	97	288	0	2	2	12	13	9	71	210	1146
1985	48	22	70	746	35	32	67	334	3	5	8	9	8	6	59	145	1089
1986	42	31	73	725	36	22	58	307	2	2	4	13	8	0	55	135	1045
1987	41	26	67	652	49	18	67	336	3	4	7	14	9	3	48	141	1002
1988	38	20	58	898	24	12	36	284	2	3	5	9	6	4	35	99	1191
1989	33	17	50	1001	21	19	40	258	3	1	4	14	5	7	37	94	1273
1990	30	23	53	767	28	23	51	218	2	2	4	12	6	0	48	108	997
Fema	le																
1981	14	3	17	229	11	2	13	113	0	0	0	2	2	5	5	30	344
1982	8	7	15	194	7	4	11	108	0	0	0	1	1	5	11	26	30 3
1983	11	7	18	203	6	7	13	99	0	1	1	2	1	7	15	32	304
1984	7	4	11	246	3	2	5	117	1	1	2	0	1	1	7	18	3 63
1985	9	5	14	233	10	2	12	94	0	1	1	2	1	9	8	27	329
1986	5	2	7	230	6	3	9	128	0	1	1	0	1	1	6	17	358
1987	7	8	15	217	8	4	12	147	0	0	0	1	1	5	12	27	365
1988	11	7	18	336	2	6	8	126	1	0	1	0	1	4	13	27	462
1989	4	4	8	351	5	3	8	101	0	0	0	4		9	7	16	456
1990	5	4	9	248	2	2	4	76	1	1	2	0		8	7	15	324
Total																	
1981	145	45	190	1084	76	44	120	450	3	4	7	22	22	4	93	317	1556
1982	98	47	145	973	63	33	96	358	0	2	2	10	16	1	82	243	1341
1983	87	49	136	914	59	42	101	333	0	4	4	13	14	6	95	241	1260
1984	81	41	122	1092	68	34	102	405	1	3	4	12	15	0	78	228	1509
1985	57	27	84	979	45	34	79	428	3	6	9	11	10	15	67	172	1418
1986	47	33	80	955	42	25	67	435	2	3	5	13	9	1	61	152	1403
1987	48	34	82	869	57	22	79	483	3	4	7	15	10	8	60	168	1367
1988	49	27	76	1234	26	18	44	410	3	3	6	9	7	8	48	126	1653
1989	37	21	58	1352	26	22	48	359	3	1	4	18	ε	6	44	110	1729
1990	35	27	62	1015	30	25	55	294	3	3	6	12	6	8	55	123	1321

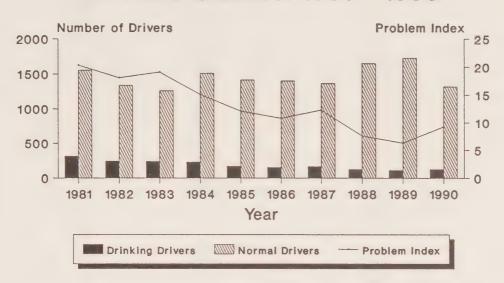
KEY: HBD -- Drivers reported by police to have been drinking

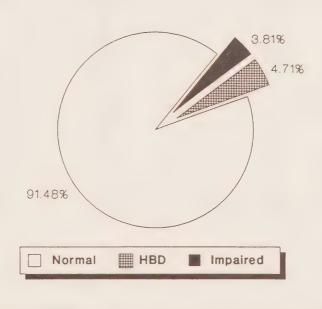
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

KENORA

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





KENT

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	erty	Dam	age		Per	rsona	l Inju	ry		Fa	tal			To	tal	
&														<u> </u>			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	нві	IMP	D/D I	NOR	HBD	IMP	D/D	NOR
Male																	
1981	158	55	213	1234		134	28	162	659	*	11	11	11	292	94	386	1904
1982	117	46	163	1228		154	44	198	593		2 4	6	7	273	94	367	1828
1983	81	54	135	1160		126	36	162	682		2 8	10	6	209	98	307	1848
1984	88	41	129	1297		128	35	163	721	*	1 8	12	9	220	84	304	2027
1985	67	37	104	1318		98	48	146	835		3 4	7	17	168	89	257	2170
1986	55	31	86	1217		75	33	108	755		2 5	7	8	13	69	201	1980
1987	73	27	100	1155		88	39	127	802	 '	4 3	7	10	16	69	234	1967
1988	62	32	94	1224		62	32	94	658	\ 	4 4	8	11	12	68	196	1893
1989	56	34	90	1369	 	49	38	87	654		1 0	1	6	100	72	178	2029
1990	51	38	89	1295		40	30	70	605		3 1	4	7	9-	69	163	1907
Fema	le																
1981	16	4	20	543		19	1	20	326		1 3	4	4	3(8	44	873
1982	7	5	12	519		24	4	28	280		3	3	2	3	1 12	43	801
1983	8	3	11	524		13	3	16	284		1 0	1	5	2	2 6	28	813
1984	15	4	19	583		12	5	17	333		0 0	0	2	2	7 9	36	918
1985	16	6	22	526		17	3	20	426		o o	0	4	3:	3 9	42	956
1986	7	4	11	565		7	1	8	391		0 0	0	4	1.	5	19	960
1987	9	6	15	600		13	5	18	423		1 0	1	5	2	3 11	34	102
1988	9	4	13	631		10	3	13	367		1 0	1	3	2	7	27	100
1989	8	7	15	7 95		10	1	11	389		0 1	1	4	18	3 9	27	118
1990	6	3	9	772		6	6	12	369		0 0	0	4	1:	2 9	21	114
Total																	
1981	174	59	233	1777		153	29	182	985		1 14	15	15	32	3 102	430	277
1982	124	51	175	1747		178	48	226	873		2 7	9	9	30	106	410	262
1983	89	57	146	1684		139	39	178	966		3 8	11	11	23	1 104	335	266
1984	103	45	148	1880		140	40	180	1054		4 8	12	11	24	7 93	340	294
1985	83	43	126	1844		115	51	166	1261		3 4		21	20	1 98	299	312
1986	62	35	97	1782		82	34	116	1146		2 5		12	14		220	294
1987	82	33	115	1755		101	44	145	1225		5 3		15	18		268	299
1988	71	36	107	1855		72	35		1025		5 4		14	14		223	289
1989	64	41	105	2164		59	39	98	1043		1 1	2	10	12		205	321
1990	57	41	98	2067		46	36		974		3 1		11	10			3052

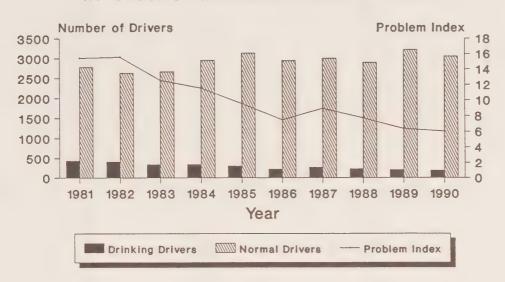
KEY: HBD -- Drivers reported by police to have been drinking

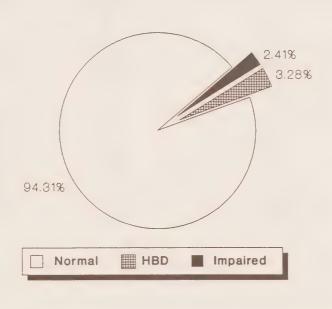
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





LAMBTON

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	ıl Inju	ry			Fat	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP I	D/D N	IOR		HBD	IMP	D/D	NOR
Male																			
1981	181	66	247	1828	***	209	46	255	800		4	8	12	16		394	120	514	2644
1982	205	70	275	1699	***	189	58	247	784	※	4	3	7	15		398	131	529	2498
1983	204	58	262	1575		193	38	231	780	**	5	7	12	16	**	402	103	505	237
1984	164	49	213	1598		184	48	232	713		1	5	6	7	***	349	102	451	231
1985	101	45	146	1461		146	45	191	805		2	0	2	12		249	90	339	227
1986	91	25	116	1319	***	116	44	160	769		2	3	5	12		209	72	281	210
1987	95	43	138	1284	***	106	27	133	702		2	5	7	7		203	75	278	199
1988	84	36	120	1502		76	23	99	638		0	3	3	14		160	62	222	215
1989	89	28	117	1527		61	24	85	630		1	5	6	8	▓.	151	57	208	216
1990	69	26	95	1705		61	27	88	541		0	4	4	8	▓.	130	57	187	225
Fema	le																		
1981	27	7	34	814		24	5	29	369		0	2	2	5		51	14	65	118
1982	28	3	31	771		32	4	36	425		1	1	2	5		61	8	69	120
1983	26	10	36	769		32	6	38	367		0	0	0	3		58	16	74	113
1984	32	7	39	7 82		25	4	29	381		0	1	1	2		57	12	69	116
1985	22	4	26	75 5		24	2	26	391		0	0	0	0		46	6	52	114
1986	14	6	20	688		18	6	24	446		0	1	1	8		32	13	45	114
1987	17	6	23	663		19	6	25	453		0	0	0	8		36	12	48	112
1988	13	7	20	919		12	4	16	415		0	0	0	3		25	11	36	133
1989	16	3	19	934		16	5	21	353		0	1	1	1		32	9	41	128
1990	14	8	22	991		9	5	14	340		0	1	1	6		23	14	37	133
Total																			
1981	208	73	281	2642		233	51	284	1169		4	10	14	21		445	134	579	383
1982	233	73	306	2470		221	62	283	1209		5	4	9	20		459	139	598	369
1983	230	68	298	2344		225	44	269	1147		5	7	12	19		460	119	579	351
1984	196	56	252	2380		209	52	261	1094		1	6	7	9		406	114	520	348
1985	123	49	172	2216		170	47	217	1196		2	0	2	12		295	96	391	342
1986	105	31	136	2007		134	50	184	1215		2	4	6	20		241	85	326	324
1987	112	49	161	1947		125	33	158	1155		2	5	7	15		239	87	326	311
1988	97	43	140	2421		88	27	115	1053		0	3	3	17		185	73	258	349
1989	105	31	136	2461		77	29	106	983		1	6	7	9		183	66	249	345
1990	83	34	117	2696		70	32	102	881		0	5	5	14		153	71	224	359

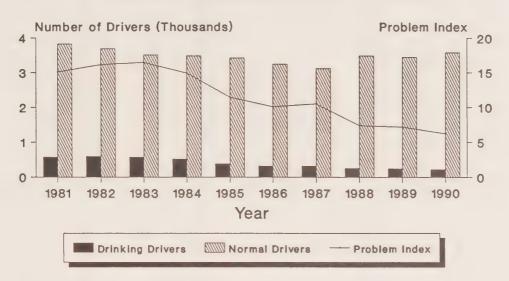
KEY: HBD -- Drivers reported by police to have been drinking

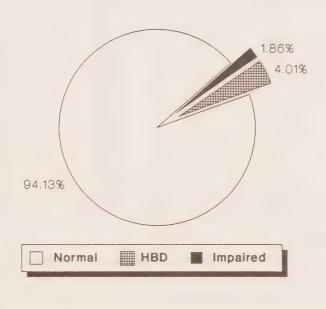
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D/D - Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LAMBTON

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





LANARK

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	***	Per	rsona	l Inju	ry		F	ata	al			Tot	al	
8.																		
Sex	HBD	IMP	D/D	NOR	▓	HBD	IMP	D/D	NOR	Н	BD IN	MP D)/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	54	33	87	549		68	29	97	256		3	1	4	10	125	63	188	815
1982	78	24	102	565		76	23	99	242		1	1	2	3	155	48	203	810
1983	50	26	76	670		58	17	75	296		0	5	5	8	108	48	156	974
1984	48	17	65	613		51	26	77	282		3	2	5	7	102	45	147	902
1985	48	21	69	658		42	21	63	318		1	0	1	8	91	42	133	984
1986	42	14	56	626		41	11	52	315		3	2	5	7	86	27	113	948
1987	38	19	57	621		43	27	70	305		0	1	1	8	81	47	128	934
1988	27	14	41	654		43	12	55	287		2	2	4	9	72	28	100	950
1989	28	11	39	710		34	11	45	340		5	3	8	12	67	25	92	1062
1990	31	22	53	742		28	11	39	263		1	2	3	9	60	35	95	1014
Fema	le																	
1981	4	3	7	236		9	2	11	118		0	0	0	0	13	5	18	354
1982	3	3	6	210		10	2	12	104		0	0	0	2	13	5	18	316
1983	4	0	4	276		6	1	7	113		0	0	0	2	10	1	11	39
1984	4	2	6	293		11	1	12	109		0	1	1	3	15	5 4	19	405
1985	5	3	8	279		3	1	4	129		0	0	0	1	3	3 4	12	409
1986	6	3	9	254		8	5	13	148		0	0	0	1	14	8	22	400
1987	4	1	5	276		4	0	4	146		0	0	0	2	8	3 1	9	424
1988	3	1	4	326		3	2	5	154		0	0	0	3		3	9	483
1989	3	f	4	345		8	0	8	162		0	0	0	3	1	1	12	510
1990	3	0	3	338		5	1	6	147		0	0	0	4	8	3 1	9	489
Total																		
1981	58	36	94	785		77	31	108	374		3	1	4	10	138	68	206	116
1982	81	27	108	775	3	86	25	111	346		1	1	2	5	168	3 53	221	112
1983	54	26	80	946	3	64	18	82	409		0	5	5	10	118	3 49	167	136
1984	52	19	71	906	3	62	27	89	391		3	3	6	10	117	7 49	166	130
1985	53	24	77	937	1	45	22	67	447		1	0	1	9	99	46	145	139
1986	48	17	65	880		49	16	65	463		3	2	5	8	100	35	135	135
1987	42	20	62	897	7	47	27	74	451		0	1	1	10	89	9 48	137	135
1988	30	15	45	980		46	14	60	441		2	2	4	12	78	3 31	109	143
1989	31		43	1055	5	42	11	53	502		5	3	8	15	7	3 26	104	157.
1990	34	22	56		-88	33	12	45	410		1	2	3	13	6	3 36	104	150

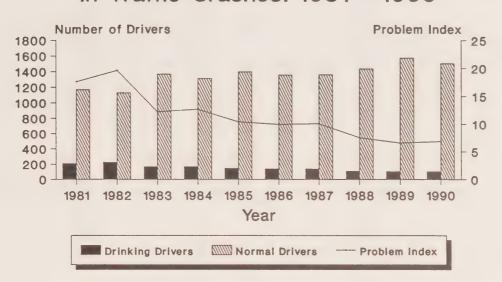
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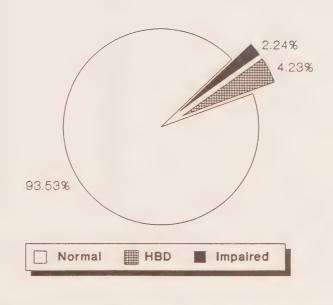
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





LEEDS

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry		F	ata	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	Н	IBD	IMP	D/D	NOR		HBD I	MP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	69	44	113	683		78	38	116	336		2	3	5	10	149	85	234	102
1982	66	27	93	618		50	23	73	293		2	3	5	3	118	53	171	9
1983	50	44	94	632		61	36	97	339		1	6	7	6	112	86	198	97
1984	60	29	89	695		45	27	72	364		0	5	5	6	105	61	166	10
1985	49	23	72	715		48	29	77	377		1	5	6	13	98	57	155	11
1986	38	23	61	833		39	17	56	380	$ \otimes $	3	4	7	15	80	44	124	12
1987	34	20	54	684		43	24	67	378		0	3	3	11	77	47	124	10
1988	34	24	58	750		32	18	50	380		0	2	2	14	66	44	110	11-
1989	37	21	58	907		37	27	64	349		2	2	4	5	76	50	126	12
1990	32	29	61	828		28	23	51	328		2	3	5	14	62	55	117	11
Fema	le																	
1981	6	4	10	282		8	1	9	127		0	0	0	3	14	5	19	4
1982	10	5	15	250		6	6	12	133		0	0	0	0	16	11	27	3
1983	2	5	7	283		13	1	14	168		0	0	0	0	15	6	21	4
1984	9	3	12	334		7	6	13	170		1	0	1	1	17	9	26	5
1985	5	2	7	286		12	3	15	177		0	0	0	3	17	5	22	4
1986	6	2	8	368		7	4	11	198		1	1	2	1	14	7	21	5
1987	4	5	9	335		3	3	6	175		0	0	0	3	7	8	15	5
1988	3	3	6	363		4	4	8	195		0	0	0	5	7	7	14	5
1989	3	0	3	457		4	4	8	209	▓	0	0	0	4	7	4	11	6
1990	4	1	5	400		4	6	10	197	▓	0	1	1	5	8	8	16	6
Total																		
1981	75	48	123	965		86	39	125	463		2	3	5	13	163	90	253	14
1982	76	32	108	868		56	29	85	426		2	3	5	3	134	64	198	12
1983	52	49	101	915		74	37	111	507		1	6	7	6	127	92	219	14
1984	69	32	101	1029		52	33	85	534		1	5	6	7	122	70	192	15
1985	54	25	79	1001		60	32	92	554		1	5	6	16	115	62	177	15
1986	44	25	69	1201		46	21	67	578		4	5	9	16	94	51	145	17
1987	38	25	63	1019		46	27	73	553		0	3	3	14	84	55	139	15
1988	37	27	64	1113		36	22	58	575		0	2	2	19	73	51	124	17
1989	40	21	61	1364		41	31	72	558		2	2	4	9	83	54	137	19
1990	36	30	66	1228		32	29	61	525		2	4	6	19	70	63	133	17

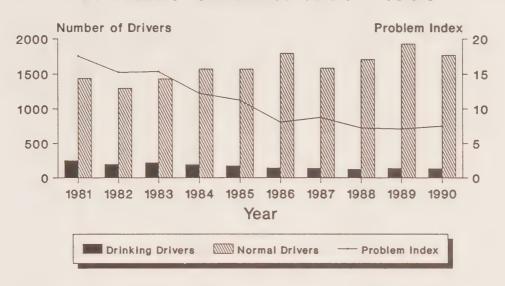
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LEEDS

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





LENNOX and ADDINGTON

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry	***	ı	Fata	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR	***	HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	39	19	58	339		42	15	57	199	**	1	2	3	5	82	36	118	543
1982	31	16	47	293		46	19	65	168		1	1	2	5	78	36	114	466
1983	30	9	39	345	*	28	15	43	148	***	1	2	3	8	59	26	85	501
1984	33	14	47	365		33	8	41	193	**	3	3	6	5	69	25	94	563
1985	28	9	37	344		30	6	36	193	**	1	1	2	6	59	16	75	543
1986	22	12	34	336		26	10	36	207	▓	0	0	0	8	48	22	70	551
1987	24	11	35	358		26	13	39	190		0	3	3	10	50	27	77	558
1988	25	13	38	415		27	12	39	196		1	2	3	1	53	27	80	612
1989	20	12	32	475		25	8	33	227		1	1	2	5	46	21	67	707
1990	17	12	29	399		11	9	20	177		1	3	4	13	29	24	53	589
Fema	le																	
1981	1	1	2	123		3	1	4	70	**	0	1	1	1	4	3	7	194
1982	9	3	12	117		В	0	8	67	**	0	0	0	o	17	3	20	184
1983	3	3	6	139		5	0	5	79	▓	0	0	0	1	8	3	11	219
1984	2	1	3	168		4	0	4	80	▓	0	0	0	2	6	1	7	250
1985	4	0	4	155		7	2	9	98		0	0	0	o	11	2	13	253
1986	0	0	0	142		В	0	8	99	▓	0	0	0	4	8	0	8	245
1987	2	4	6	154		8	2	10	89		0	0	0	2	10	6	16	245
1988	0	2	2	196		3	1	4	102		0	0	0	2	3	3	6	300
1989	2	1	3	220		2	3	5	111		0	0	0	2	4	4	8	333
1990	5	3	8	219		1	0	1	100		0	0	0	3	6	3	9	322
Total																		
1981	40	20	60	462		45	16	61	269		1	3	4	6	86	39	125	7 37
1982	40	19	59	410		54	19	73	235		1	1	2	5	95	39	134	650
1983	33	12	45	484		33	15	48	227		1	2	3	9	67	29	96	720
1984	35	15	50	533		37	8	45	273		3	3	6	7	75	26	101	813
1985	32	9	41	499		37	8	45	291		1	1	2	6	70	18	88	796
1986	22	12	34	478		34	10	44	306		0	0	0	12	56	22	78	796
1987	26	15	41	512		34	15	49	279		0	3	3	12	60		93	803
1988	25	15	40	611		30	13	43	298		1	2	3	3	56	30	86	912
1989	22	13	35	695		27	11	38	338		1	1	2	7	50		75	1040
1990	22	15	37	618		12	9	21	277		1	3	4	16	35		62	911

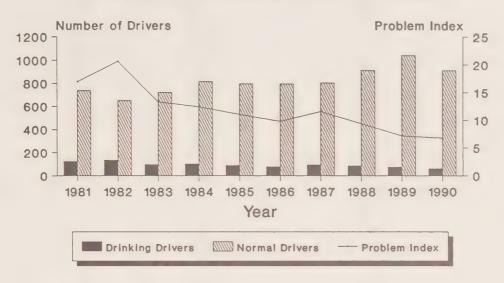
KEY: HBD -- Drivers reported by police to have been drinking

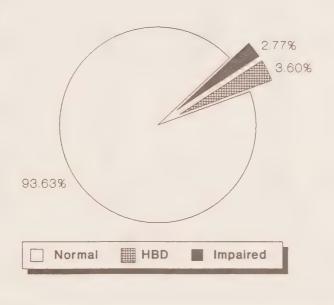
IMP - Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

LENNOX AND ADDINGTON

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





MANITOULIN

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry		F	ata	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	※	HBD	IMP	D/D	NOR
Male																			
1981	27	14	41	124		14	9	23	64		1	3	4	4		42	26	68	192
1982	12	7	19	128	▓	23	9	32	51		O	0	0	5		35	16	51	184
1983	20	10	30	126		15	11	26	46		2	1	3	4		37	22	59	176
1984	24	9	33	115	***	14	5	19	36		0	1	1	3		38	15	53	154
1985	20	9	29	105		19	13	32	63		0	1	1	0		39	23	62	168
1986	11	5	16	95	**	7	10	17	31		11	1	2	0		19	16	35	126
1987	10	6	16	111		11	5	16	47		D	3	3	1		21	14	35	159
1988	9	4	13	98	***	14	5	19	33		11	2	3	3		24	11	35	134
1989	4	10	14	113	***	7	10	17	53	▓.	2	3	5	2		13	23	36	168
1990	6	4	10	94		8	6	14	29	▓.	0	0	0	0		14	10	24	123
Fema	le																		
1981	1	0	1	46		7	0	7	33		0	1	1	- 1	**	8	1	9	80
1982	4	1	5	40	***	3	3	6	13		0	0	0	0		7	4	11	50
1983	3	4	7	29	***	4	0	4	18		0	0	0	0	▓	7	4	11	4
1984	6	1	7	45		1	1	2	24		1	0	1	0		8	2	10	69
1985	5	4	9	24		2	2	4	30		0	0	0	0	▓	7	6	13	5-
1986	2	0	2	45		1	3	4	31		0	0	0	0		3	3	6	7
1987	4	1	5	58		6	1	7	24		1	0	1	0	**	11	2	13	8
1988	1	0	1	51		4	3	7	23		1	0	1	0		6	3	9	7
1989	6	0	6	56		1	1	2	45		0	0	0	1		7	1	8	10
1990	2	2	4	41		3	1	4	19		0	1	1	0		5	4	9	6
Total																			
1981	28	14	42	170		21	9	30	97		1	4	5	5		50	27	77	27
1982	16	8	24	168		26	12	38	64		0	0	0	5		42	20	62	23
1983	23	14	37	155		19	11	30	64		2	1	3	4		44	26	70	22
1984	30	10	40	160		15	6	21	60		1	1	2	3		46	17	63	22
1985	25	13	38	129		21	15	36	93		0	1	1	0		46	29	75	22
1986	13	5	18	140		8	13	21	62		1	1	2	0		22	19	41	20
1987	14	7	21	169		17	6	23	71		1	3	4	1		32	16	48	24
1988	10	4	14	149		18	8	26	56		2	2	4	3		30	14	44	20
1989	10	10	20	169		8	11	19	98		2	3	5	3		20	24	44	27
1990	8	6	14	135		11	7	18	48		0	1	1	0		19	14	33	18

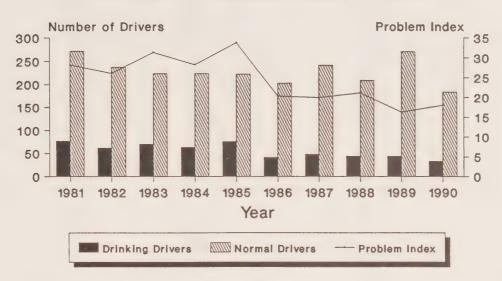
KEY: HBD -- Drivers reported by police to have been drinking

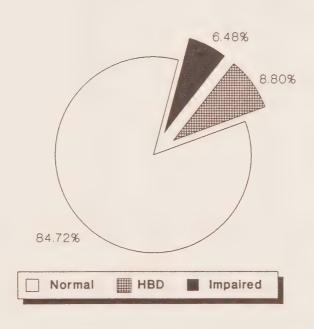
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MANITOULIN

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





MIDDLESEX

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Pei	rsona	l Inju	ry			Fat	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD I	MP	D/D I	NOR		HBD	IMP	D/D	NOR
Male																			
1981	436	131	567	4945		422	112	534	2699		17	8	25	22		875	251	1126	766
1982	367	112	479	4696		371	92	463	2515		10	12	22	25		748	216	964	723
1983	316	101	417	4517	***	275	93	368	2575		6	13	19	32		597	207	804	712
1984	303	100	403	4814		297	92	389	2789		9	10	19	30		609	202	811	763
1985	237	87	324	4496		263	95	358	3304	***	4	9	13	33		504	191	695	783
1986	198	72	270	4374		177	110	287	3194		5	13	18	28		380	195	575	759
1987	153	77	230	4543		190	102	292	3429		5	6	11	30		348	185	533	800
1988	174	100	274	5507		183	119	302	3352		2	11	13	35		359	230	589	889
1989	207	114	321	5921		165	110	275	3539		4	4	8	33	▓.	376	228	604	949
1990	153	93	246	5489		134	86	220	3148		5	4	9	26	▓.	292	183	475	866
Fema	le																		
1981	52	25	77	2044		51	8	59	1222		1	- 1	2	4		104	34	138	327
1982	54	20	74	1956		49	10	59	1165		0	0	0	6	***	103	30	133	312
1983	55	15	70	2003		55	15	70	1253		0	2	2	9		110	32	142	326
1984	50	18	68	2163		51	10	61	1317		3	1	4	8		104	29	133	348
1985	40	20	60	2099		39	9	48	1631		0	1	1	7		79	30	109	373
1986	23	7	30	2183		28	9	37	1795		0	0	0	14		51	16	67	399
1987	30	6	36	2317		29	20	49	1927		2	2	4	8		61	28	89	425
1988	28	14	42	2731		31	12	43	1925		2	0	2	12		61	26	87	466
1989	35	18	53	2992		22	18	40	2079		1	1	2	4	₩,	58	37	95	507
1990	23	12	35	2825		18	18	36	1903		0	0	0	12	░.	41	30	71	474
Total																			
1981	488	156	644	6989		473	120	593	3921		18	9	27	26		979	285	1264	1093
1982	421	132	553	6652		420	102	522	3680		10	12	22	31		851	246	1097	1036
1983	371	116	487	6520		330	108	438	3828		6	15	21	41		707	239	946	1038
1984	353	118	471	6977		348	102	450	4106		12	11	23	38		713	231	944	1112
1985	277	107	384	6595		302	104	406	4935		4	10	14	40		583	221	804	1157
1986	221	79	300	6557		205	119	324	4989		5	13	18	42		431	211	642	1158
1987	183	83	266	6860		219	122	341	5356		7	8	15	38		409	213	622	1225
1988	202	114	316	8238		214	131	345	5277		4	11	15	47		420	256	676	1356
1989	242	132	374	8913		187	128	315	5618		5	5	10	37		434	265	699	1456
1990	176	105	281	8314		152	104	256	5051		5	4	9	38		333	213	546	1340

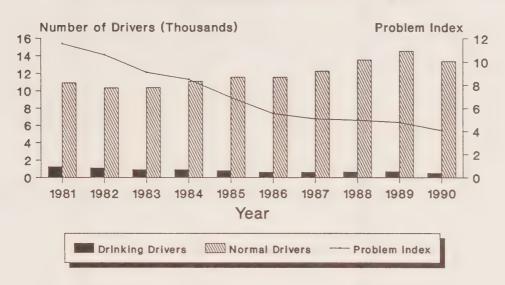
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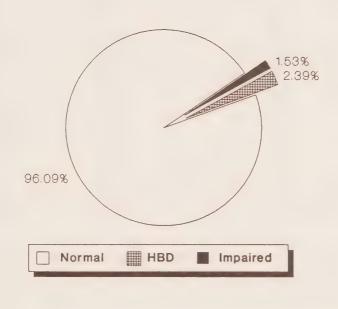
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MIDDLESEX

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





MUSKOKA

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Pro	perty	Dam	age		Pei	rsona	l Inju	ry	***	F	at	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IA	AP [D/D N	IOR		HBD	IMP	D/D	NOR
Male	!																		
1981	95	30	125	624		84	21	105	297		0	6	6	12		179	57	236	933
1982	73	22	95	644		74	21	95	305		1	2	3	7		148	45	193	956
1983	50	32	82	615		72	27	99	314		2	8	10	8		124	67	191	937
1984	59	25	84	710		53	22	75	332		8	6	14	10		120	53	173	1052
1985	49	14	63	670		52	22	74	359		5	1	6	14	***	106	37	143	1043
1986	41	24	65	636		53	21	74	366		3	5	8	11		97	50	147	1013
1987	56	16	72	708		55	25	80	373		2	3	5	19		113	44	157	1100
1988	35	24	59	820		40	22	62	344		0	2	2	15		75	48	123	1179
1989	48	21	69	981		27	27	54	355		1	0	1	6		76	48	124	1342
1990	40	28	68	885		35	16	51	372		0	5	5	7		75	49	124	1264
Fema	ale																		
1981	8	4	12	178		9	2	11	88		0	0	0	3	*	17	6	23	269
1982	8	3	11	222		10	4	14	117		0	0	0	0		18	7	25	339
1983	7	0	7	212		5	3	8	145		0	0	0	1		12	3	15	358
1984	4	1	5	267		8	6	14	128		2	0	2	3		14	7	21	398
1985	8	3	11	289		8	1	9	127		0	1	1	7		16	5	21	423
1986	3	2	5	249		1	1	2	167		0	1	1	5		4	4	8	421
1987	3	0	3	281		9	5	14	182		0	1	1	3		12	6	18	466
1988	7	5	12	374		5	0	5	176		0	0	0	4		12	5	17	554
1989	6	3	9	428		8	2	10	198		0	0	0	2		14	5	19	628
1990	4	3	7	405		4	4	8	164		0	1	1	1		8	8	16	570
Tota	1																		
1981	103	34	137	802		93	23	116	385		0	6	6	15		196	63	259	1202
1982	81	25	106	866		84	25	109	422		1	2	3	7		166	52	218	1295
1983	57	32	89	827		77	30	107	459		2	8	10	9		136	70	206	1295
1984	63	26	89	977		61	28	89	460		10	6	16	13		134	60	194	1450
1985	57	17	74	959		60	23	83	486		5	2	7	21		122	42	164	1466
1986	44	26	70	885		54	22	76	533		3	6	9	16		101	54	155	1434
1987	59	16	75	989		64	30	94	555		2	4	6	22		125	50	175	1566
1988	42	29	71			45	22	67	520		0	2	2	19		87	53	140	1733
1989	54	24	78	1409		35	29	64	553		1	0	1	8		90	53	143	1970
1990	44	31	75		1888	39	20	59	536	1888	0	6	6	8		83	57	140	1834

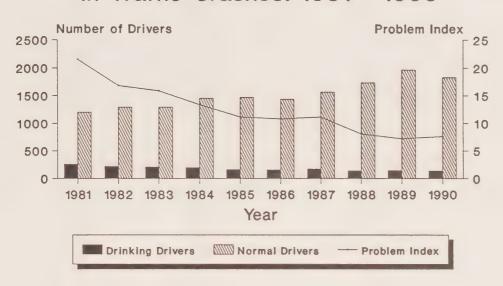
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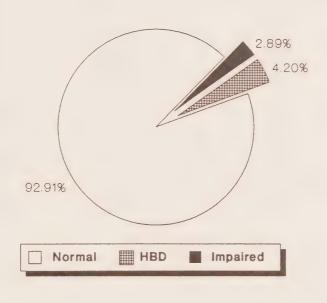
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

MUSKOKA

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





NIAGARA REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

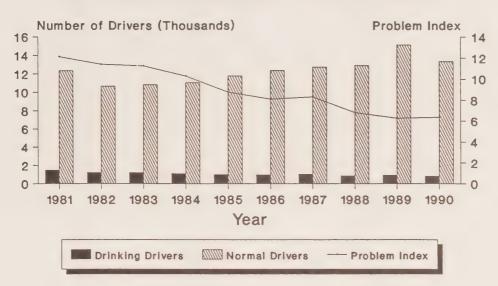
Year	Prop	perty	Dam	age		Pei	rsona	l Inju	ry			Fat	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR	нв	D	IMP	D/D	NOR		HBD I	MP	D/D I	NOR	HE	BD	IMP	D/D	NOR
Male																			
1981	435	256	691	5837		409	200	609	2813	**	10	17	27	30		854	473	1327	868
1982	356	194	550	4837		365	148	513	2539		6	14	20	36		727	356	1083	741
1983	326	192	518	4905		358	148	506	2454		8	11	19	31		692	351	1043	739
1984	337	177	514	4969		315	147	462	2611		13	11	24	31		665	335	1000	761
1985	276	144	420	5115		313	142	455	2855		9	11	20	31		598	297	895	800
1986	261	149	410	5270		292	148	440	3041		8	14	22	29		561	311	872	834
1987	290	127	417	5211		313	168	481	3175		3	17	20	37		606	312	918	842
1988	278	157	435	6014		203	113	316	2401		1	8	9	17		482	278	760	843
1989	299	163	462	7032		217	124	341	2793		8	9	17	37		524	296	820	986
1990	252	183	435	6250		171	124	295	2362		5	6	11	32		428	313	741	864
Femal	le																		
1981	48	24	72	2389		73	22	95	1261		2	0	2	9		123	46	169	365
1982	47	21	68	2156		52	11	63	1091		1	1	2	8		100	33	133	32
1983	55	41	96	2283		66	13	79	1148		Ö	0	0	14		121	54	175	34
1984	40	25	65	2262		56	13	69	1153		1	0	1	8		97	38	135	34
1985	43	23	66	2320		47	19	66	1422		2	1	3	11		92	43	135	37
1986	39	27	66	2443		47	10	57	1540		0	1	1	6		86	38	124	39
1987	42	23	65	2564		51	20	71	1723		ō	2	2	15		93	45	138	43
1988	38	20	58	3086		43	16	59	1357		0	1	1	6		81	37	118	44
1989	37	23	60	3630		45	22	67	1634		1	1	2	11		83	46	129	52
1990	30	32	62	3339		30	16	46	1353		1	1	2	12		61	49	110	470
Total			-																
1981	483	280	763	8226		482	222	704	4074		12	17	29	39		977	519	1496	123
1982	403	215	618	6993		417	159	576	3630		7	15	22	44		827	389	1216	106
1983	381	233	614	7188		424	161	585	3602		8	11	19	45		813	405	1218	108
1984	377	202	579	7231		371	160	531	3764		14	11	25	39	**	762	373	1135	110
1985	319	167	486	7435		360	161	521	4277		11	12	23	42	*	690	340	1030	117
1986	300	176	476	7713		339	158	497	4581		8	15	23	35	*	647	349	996	123
1987	332	150	482	7775		364	188	552	4898		3	19	22	52	*	699	357	1056	127
1988	316	177	493	9100		246	129	375	3758		1	9	10	23		563	315	878	128
1989	336	186	522	10662		262	146	408	4427		9	10	19	48		607	342	949	151
1990	282	215	497	9589	-	201	140	341	3715		6	7		44		489	362	851	133

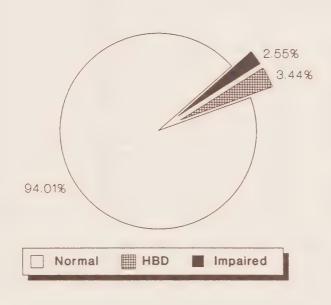
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NIAGARA REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





NIPISSING

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry	*	F	ata	al				Tot	al	
&																			
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IN	MP C)/D N	IOR	нв	D	IMP	D/D	NOR
Male																			
1981	93	48	141	1207		88	61	149	641		0	4	4	13	1	81	113	294	1861
1982	83	32	115	1036		72	40	112	500	**	3	4	7	10		58	76	234	1546
1983	79	38	117	1019		49	41	90	552	**	4	3	7	22	1	32	82	214	1590
1984	66	33	99	1105	***	57	30	87	547		2	1	3	14	88	25	64	189	166
1985	52	25	77	978	***	52	33	85	655		1	2	3	10	1	05	60	165	164
1986	40	14	54	934	***	41	30	71	618	***	1	0	1	8		82	44	126	1560
1987	38	27	65	942		39	45	84	622		2	4	6	11		79	76	155	157
1988	42	23	65	1026	***	28	21	49	629		0	3	3	7		70	47	117	166
1989	40	30	70	1476	***	26	34	60	758		2	2	4	18	▓	68	66	134	225
1990	28	19	47	1198	**	25	28	53	577		0	2	2	12		53	49	102	178
Fema	le																		
1981	7	1	8	380		9	2	11	242		0	0	0	2		16	3	19	62
1982	10	6	16	342		8	2	10	198		0	0	0	2		18	8	26	54
1983	9	5	14	345		13	6	19	213		0	1	1	2		22	12	34	56
1984	6	5	11	376		4	6	10	238		0	1	1	1		10	12	22	61
1985	4	3	7	376		7	4	11	271		0	0	0	3		11	7	18	65
1986	5	2	7	401		7	2	9	276		0	0	0	2		12	4	16	67
1987	8	2	10	390		7	0	7	314		0	0	0	4		15	2	17	70
1988	3	1	4	430		5	3	8	324		0	0	0	4		8	4	12	75
1989	1	5	6	554		6	3	9	372		0	0	0	2		7	8	15	92
1990	1	5	6	514		5	6	11	312		0	0	0	1		6	11	17	82
Total																			
1981	100	49	149	1587		97	63	160	883		0	4	4	15		197	116	313	248
1982	93	38	131	1378		80	42	122	698		3	4	7	12		176	84	260	208
1983	88	43	131	1364		62	47	109	765		4	4	8	24		154	94	248	215
1984	72	38	110	1481		61	36	97	785		2	2	4	15		135	76	211	228
1985	56	28	84	1354		59	37	96	926		1	2	3	13		116	67	183	229
1986	45	16	61	1335		48	32	80	894		1	0	1	10		94	48	142	223
1987	46	29	75	1332		46	45	91	936		2	4	6	15		94	78	172	228
1988	45	24	69	1456		33	24	57	953		0	3	3	11		78	51	129	242
1989	41	35			i 🗯	32	37	69	1130		2	2	4	20		75	74	149	318
1990	29	24	53		888	30	34	64		888	0	2	2	13		59	60	119	261

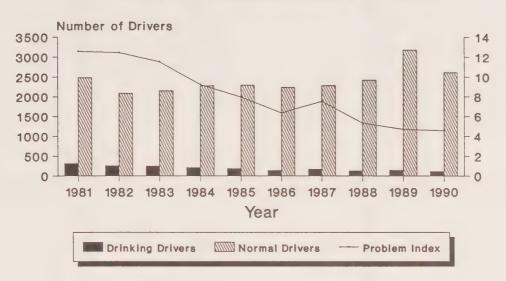
KEY: HBD -- Drivers reported by police to have been drinking

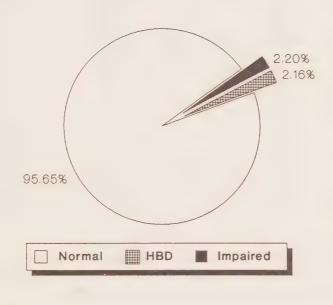
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NIPISSING

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





NORTHUMBERLAND

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Year Property Damage						Personal Injury						al			Total					
&																					
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IM	IP [D/D N	IOR	HE	3D	IMP	D/D	NOR		
Male																					
1981	89	40	129	660		123	22	145	451		3	5	8	17		215	67	282	1128		
1982	83	36	119	675		91	27	118	377		1	8	9	11		175	71	246	1063		
1983	68	37	105	653		80	42	122	391		6	4	10	14		154	83	237	1058		
1984	69	32	101	805		77	30	107	446		1	4	5	9		147	66	213	1260		
1985	59	24	83	802		82	25	107	562		3	7	10	10		144	56	200	1374		
1986	35	22	57	763		66	20	86	516		1	5	6	24		102	47	149	1303		
1987	47	23	70	782		60	37	97	493		0	7	7	16		107	67	174	1291		
1988	54	29	83	937		60	28	88	499		2	4	6	9		116	61	177	1445		
1989	55	28	83	1086		50	25	75	541		4	2	6	19	░	109	55	164	1646		
1990	42	23	65	909		45	27	72	383		1	2	3	10		88	52	140	1302		
Fema	le																				
1981	11	3	14	231		10	1	11	192		0	0	0	o		21	4	25	423		
1982	4	Ö	4	237		14	7	21	169		0	i	1	0		18	8	26	406		
1983	5	2	7	258		9	3	12	193		0	ä	1	4		14	6	20	455		
1984	7	Ō	7	348		7	3	10	193		0	1	1	3		14	4	18	544		
1985	7	3	10	346		11	1	12	271		0	2	2	5		18	6	24	622		
1986	6	3	9	343		6	4	10	254		0	Ō	0	4		12	7	19	601		
1987	4	3	7	350		10	3	13	2 82		1	ă	2	7		15	7	22	639		
1988	6	4	10	473		9	8	17	243		0	0	0	2		15	12	27	718		
1989	4	3	7	475		8	3	11	271		0	Ō	0	4	<u> </u>	12	6	18	750		
1990	3	5	8	440		10	2	12	216		0	Ō	0	7		13	7	20	663		
Total																					
1981	100	43	143	891		133	23	156	643		3	5	8	17		236	71	307	1551		
1982	87	36	123	912		105	34	139	546		1	9	10	11		193	79	272	1469		
1983	73	39	112	911		89	45	134	584		6	5	11	18		168	89	257	1513		
1984	76	32	108	1153		84	33	117	639		1	5	6	12		161	70	231	1804		
1985	66	27	93	1148		93	26	119	833		3	9	12	15		162	62	224	1996		
1986	41	25	66	1106		72	24	96	770		1	5	6	28		114	54	168	1904		
1987	51	26	77	1132		70	40	110	775		1	8	9	23		122	74	196	1930		
1988	60	33	93	1410		69	36	105	742		2	4	6	11		131	73	204	2163		
1989	59	31	90	1561		58	28	86	812		4	2	6	23		121	61	182	2396		
1990	45	28	73	1349		55	29	84	599		1	2	3	17		101	59	160	1965		

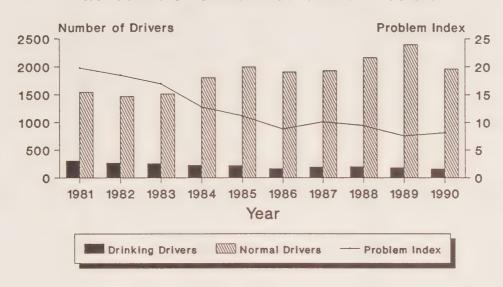
KEY: HBD -- Drivers reported by police to have been drinking

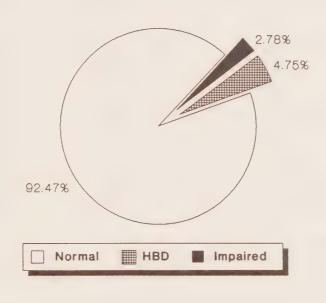
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NORTHUMBERLAND

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





OTTAWA-CARLETON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

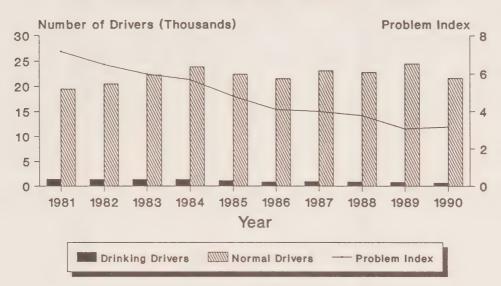
Year	Prop	perty	Dam	age	Personal Injury						Fatal					Total				
&																				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP	D/D N	NOR	HBD	1	IMP	D/D	NOR		
Male																				
1981	473	269	742	10671	335	170	505	3891		7	6	13	39	81	15	445	1260	1460		
1982	443	237	680	11223	311	169	480	4221		3	10	13	27	75	57	416	1173	1547		
1983	422	239	661	11950	322	175	497	4545		8	17	25	40	75	52	431	1183	1653		
1984	428	245	673	12800	297	200	497	4753		14	9	23	57	73	39	454	1193	1761		
1985	293	211	504	11173	275	157	432	5228		7	13	20	36	57	75	381	956	1643		
1986	212	169	381	10664	219	158	377	4893		6	11	17	38	43	37	338	775	1559		
1987	238	204	442	11170	214	154	368	5404		11	9	20	39	46	3	367	830	1661		
1988	229	183	412	11155	177	160	337	5037		2	7	9	49	40	80	350	758	1624		
1989	191	167	358	11844	155	136	291	5315		4	4	8	56	35	50	307	657	1721		
1990	172	152	324	10590	153	114	267	4359		2	6	8	29	32	27	272	599	1497		
Fema	le																			
1981	44	26	70	3471	52	13	65	1402		0	1	1	6	9	96	40	136	487		
1982	57	28	85	3547	56	11	67	1435		1	1	2	2	11	14	40	154	498		
1983	50	29	79	3980	49	19	68	1713		0	0	0	6	9	99	48	147	569		
1984	57	38	95	4407	43	19	62	1782		2	0	2	8	10)2	57	159	619		
1985	39	24	63	3838	34	19	53	2065		2	0	2	5	7	75	43	118	590		
1986	33	23	56	3785	34	14	48	2057		0	1	1	11		67	38	105	58		
1987	18	29	47	4054	31	14	45	2367		0	1	1	13	4	19	44	93	643		
1988	37	17	54	4239	28	18	46	2232		1	2	3	20		56	37	103	649		
1989	28	24	52	4854	30	15	45	2357		0	0	0	14		58	39	97	72		
1990	23	17	40	4403	26	18	44	2188		1	1	2	11		50	36	86	66		
Total																				
1981	517	295	812	14142	387	183	570	5293		7	7	14	45	9	11	485	1396	194		
1982	500	265	765	14770	367	180	547	5656		4	11	15	29	87	71	456	1327	204		
1983	472	268	740	15930	371	194	565	6258		8	17	25	46	8.	51	479	1330	222		
1984	485	283	768	17207	340	219	559	6535		16	9	25	65	84	41	511	1352	238		
1985	332	235	567	15011	309	176	485	7293		9	13	22	41	6	50	424	1074	223		
1986	245	192	437	14449	253	172	425	6950		6	12	18	49	50	04	376	880	214		
1987	256	233	489	15224	245	168	412	7771		11	10	21	52	5	12	411	923	230		
1988	266	200	466	15394	205	178	383	7269		3	9	12	69	4	74	387	861	227		
1989	219		410	16698	185	151	336	7672		4	4	8	70	41	08	346	754	244		
1990	195	169	364	14993	179	132	311	6547		3	7		40	3	77	308	685	215		

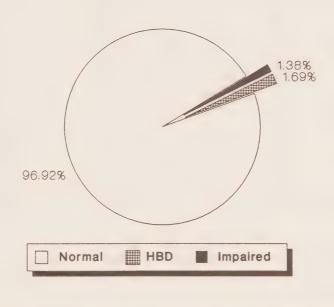
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OTTAWA-CARLETON REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





OXFORD

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	Per	rsona	l Inju	ry		Fai	al		Total						
&																			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	НВС	IMP	D/D I	NOR	HBD	IMP	D/D	NOR			
Male																			
1981	92	44	136	1075	82	29	111	481	5	8	13	19	179	81	260	1575			
1982	72	47	119	1012	81	33	114	572	3	5	8	10	156	85	241	1594			
1983	64	39	103	948	76	27	103	542	2	2 5	7	12	142	71	213	1502			
1984	54	37	91	1084	74	17	91	557		1	2	4	129	55	184	1645			
1985	47	19	66	1055	59	19	78	652	2	1	3	16	108	39	147	1723			
1986	41	25	66	1058	39	35	74	671		2	2	19	80	62	142	1748			
1987	43	23	66	956	56	29	85	680	1	8	9	18	100	60	160	1654			
1988	39	31	70	1320	44	36	80	682		2	7	13	88	69	157	2015			
1989	36	25	61	1367	40	22	62	645	2	2 4	6	15	78	51	129	2027			
1990	60	25	85	1294	42	24	66	579	() 4	4	15	102	53	155	1888			
Fema	le																		
1981	9	5	14	415	17	8	25	204		0	0	4	26	13	39	623			
1982	5	7	12	455	8	1	9	282) 1	1	2	13	9	22	739			
1983	9	4	13	394	14	2	16	224		0	1	2	24	6	30	620			
1984	8	2	10	495	5	3	8	260		0	1	3	14	5	19	758			
1985	9	1	10	429	11	1	12	298) 1	1	0	20	3	23	727			
1986	5	0	5	464	11	3	14	322		0	0	3	16	3	19	789			
1987	ō	2	2	464	11	5	16	361	(0	0	10	11	7	18	835			
1988	6	3	9	602	8	6	14	342		0	0	2	14	9	23	946			
1989	5	2	7	686	4	1	5	365		0	0	7	9	3	12	1058			
1990	6	5	11	651	8	5	13	353	() 1	1	4	14	11	25	1008			
Total																			
1981	101	49	150	1490	99	37	136	685		5 8	13	23	205	94	299	2198			
1982	77	54	131	1467	89	34	123	854		3 6	9	12	169	94	263	2333			
1983	73	43	116	1342	90	29	119	766		3 5	8	14	166	77	243	2122			
1984	62	39	101	1579	79	20	99	817	2	2 1	3	7	143	60	203	2403			
1985	56	20	76	1484	70	20	90	950	2	2 2	4	16	128	3 42	170	2450			
1986	46	25	71	1522	50	38	88	993	(2	2	22	96	65	161	2537			
1987	43	25	68	1420	67	34	101	1041		1 8	9	28	11	67	178	2489			
1988	45	34	79	1922	52	42	94	1024		5 2	7	15	102	2 78	180	2961			
1989	41	27	68	2053	44	23	67	1010		2 4	6	22	87	54	141	3085			
1990	66	30	96	1945	50	29	79	932	-) 5		19	110		180	2896			

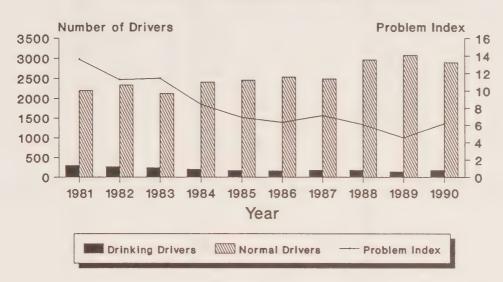
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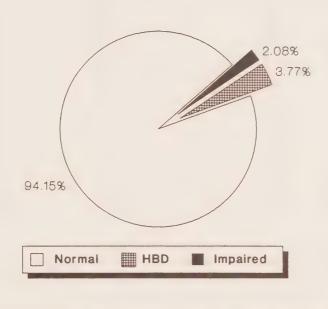
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OXFORD

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





PARRY SOUND

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Year Property Damage						Personal Injury						al			Total					
&																					
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD II	MP [D/D N	NOR	Н	IBD	IMP	D/D	NOR		
Male																					
1981	64	31	95	518		61	21	82	276		4	4	8	26		129	56	185	820		
1982	58	29	87	559		55	16	71	272		4	2	6	14		117	47	164	845		
1983	53	21	74	506		51	13	64	297	▓	2	2	4	30		106	36	142	833		
1984	51	11	62	566		55	13	68	286		0	3	3	10		106	27	133	862		
1985	34	22	56	605		53	16	69	317	▓	1	5	6	15		88	43	131	937		
1986	29	22	51	529		31	28	59	295		2	3	5	16		62	53	115	840		
1987	27	20	47	462		46	22	68	366		1	4	5	16		74	46	120	844		
1988	29	17	46	638		32	16	48	300		2	1	3	7		63	34	97	945		
1989	31	19	50	721	▒	31	13	44	359		1	1	2	23		63	33	96	1103		
1990	39	13	52	647		28	17	45	237		1	3	4	16		68	33	101	900		
Fem	ale																				
1981	4	0	4	148		12	2	14	81		0	0	0	4		16	2	18	233		
1982	5	1	6	167	▓	6	3	9	91		0	0	0	2		11	4	15	260		
1983	2	5	7	176		9	1	10	94		0	0	0	6		11	6	17	276		
1984	8	1	9	171		5	0	5	93		0	0	0	0		13	1	14	264		
1985	3	1	4	203		4	2	6	104		0	0	0	6		7	3	10	313		
1986	2	2	4	208		2	0	2	90		0	1	1	5		4	3	7	303		
1987	0	1	1	169		7	5	12	137		0	1	1	7		7	7	14	313		
1988	2	1	3	219		2	4	6	132		0	0	0	4		4	5	9	355		
1989	4	2	6	243		3	1	4	136		1	0	1	10		8	3	11	389		
1990	2	0	2	227		4	3	7	141		0	0	0	2	▓	6	3	9	370		
Tota	1																				
1981	68	31	99	666		73	23	96	357		4	4	8	30		145	58	203	1053		
1982	63	30	93	726		61	19	80	363		4	2	6	16		128	51	179	1105		
1983	55	26	81	682		60	14	74	391		2	2	4	36		117	42	159	1109		
1984	59	12	71	737		60	13	73	379		0	3	3	10		119	28	147	1126		
1985	37	23	60	808		57	18	75	421		1	5	6	21		95	46	141	1250		
1986	31	24	55	737		33	28	61	385		2	4	6	21		66	56	122	1143		
1987	27	21	48	631		53	27	80	503		1	5	6	23		81	53	134	1157		
1988	31	18	49	857		34	20	54	432		2	1	3	11		67	39	106	1300		
1989	35	21	56	964		34	14	48	495		2	1	3	33		71	36	107	1492		
1990	41	13	54	874		32	20	52	378		1	3	4	18		74	36	110	1270		

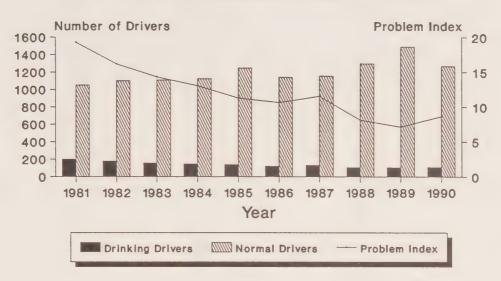
KEY: HBD -- Drivers reported by police to have been drinking

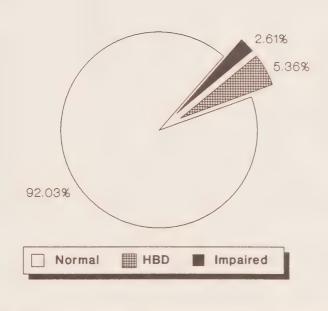
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PARRY SOUND

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





PEEL

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry		Fat	al		Total						
B.																				
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD I	MP	D/D I	NOR	HBD	IMP	D/D	NOR			
Male																				
1981	393	234	627	8465	▓	364	282	646	4180	12	13	25	50	769	529	1298	12695			
1982	317	230	547	7708		295	238	533	3829	6	19	25	36	618	487	1105	11573			
1983	235	209	444	7234		279	235	514	3822	12	15	27	46	526	459	985	11102			
1984	255	231	486	8460		283	225	508	4634	10	12	22	40	548	468	1016	13134			
1985	235	201	436	8344		238	248	486	5173	10	13	23	55	483	462	945	13572			
1986	179	169	348	8274	▓	232	229	461	5531	5	10	15	47	416	408	824	13852			
1987	235	190	425	9415		220	245	465	6328	2	18	20	80	457	453	910	15823			
1988	248	204	452	10888		219	204	423	5673	8	13	21	56	475	421	896	16617			
1989	275	251	526	12815		204	242	446	5991	7	6	13	50	486	499	985	18856			
1990	248	238	486	11388		139	184	323	4522	2	6	8	74	389	428	817	15984			
Fema	le																			
1981	37	27	64	3071		41	32	73	1653	2	2	4	22	80	61	141	4746			
1982	40	20	60	2894		31	19	50	1610	1	0	1	12	72	39	111	4516			
1983	33	22	55	2787		43	25	68	1614	1	2	3	18	77	49	126	4419			
1984	31	29	60	3204		41	33	74	1937	٥	0	0	12	72	62	134	5153			
1985	27	25	52	3190		41	22	63	2345	0	1	1	16	68	48	116	5551			
1986	20	25	45	3306		36	27	63	2417	1	1	2	13	57	53	110	5738			
1987	29	18	47	3726		40	23	63	3005	2	1	3	26	71	42	113	6757			
1988	37	20	57	4412		29	32	61	2682	1	0	1	16	67	52	119	7110			
1989	28	20	48	5314		29	27	56	2923	1	1	2	9	58	48	106	8246			
1990	24	24	48	4923		24	21	45	2271	1	3	4	22	49	48	97	7216			
Total																				
1981	430	261	691	11536		405	314	719	5833	14	15	29	72	849	590	1439	1744			
1982	357	250	607	10602		326	257	583	5439	7	19	26	48	690	526	1216	16089			
1983	268	231	499	10021		322	260	582	5436	13	17	30	64	603	508	1111	15521			
1984	286	260	546	11664		324	258	582	6571	10	12	22	52	620	530	1150	18287			
1985	262	226	488	11534		279	270	549	7518	10	14	24	71	551	510	1061	1912			
1986	199	194	393	11580		268	256	524	7948	6	11	17	60	473	461	934	19588			
1987	264	208	472	13141		260	268	528	9333	4	19	23	106	528		1023	22580			
1988	285	224	509	15300		248	236	484	8355	9	13	22	72	542	473	1015	2372			
1989	303	271	574	18129		233	269	502	8914	8	7	15	59	544		1091	27102			
1990	272	262	534	16311		163	205	368	6793	3	9	12	96	438		914	23200			

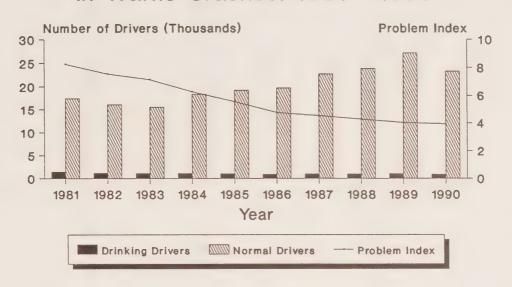
KEY: HBD -- Drivers reported by police to have been drinking

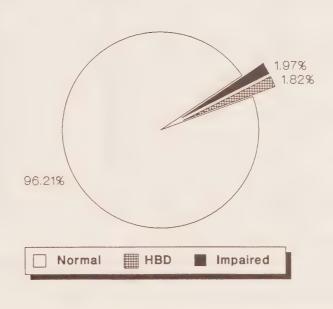
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PEEL

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





Drivers Involved in Traffic Crashes, 1981 - 1990

PERTH

Year	ear Property Damage						Personal Injury						al		Total					
&																				
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR		
Male																				
1981	57	30	87	837		69	27	96	391		2	2	4	13	128	59	187	1241		
1982	62	25	87	784		64	24	88	386	**	1	3	4	7	127	52	179	1177		
1983	51	18	69	809		63	24	87	365	▓	4	1	5	6	118	43	161	1180		
1984	53	18	71	865		52	20	72	347	▓	2	0	2	7	107	38	145	1219		
1985	46	21	67	783		34	14	48	422	▓	0	0	0	10	80	35	115	1215		
1986	31	20	51	721		30	14	44	375	▓	1	1	2	19	62	35	97	1115		
1987	32	14	46	719		35	12	47	400	▓	2	1	3	8	69	27	96	1127		
1988	32	19	51	804		21	16	37	329	▓	1	1	2	8	54	36	90	1141		
1989	31	14	45	864	▓_	15	. 13	28	340	▓	1	1	2	6	47	28	75	1210		
1990	22	21	43	858	∭_	28	15	43	301	***	- 1	1	2	7	51	37	88	1166		
Fema	le																			
1981	4	3	7	321		4	3	7	174	▓	1	0	1	2	9	6	15	497		
1982	16	0	16	339		3	1	4	159	▓	1	0	1	1	20	1	21	499		
1983	7	4	11	404		7	1	8	190		0	1	1	3	14	6	20	597		
1984	7	6	13	392		4	3	7	183	▓	0	0	0	4	11	9	20	579		
1985	9	5	14	388		6	2	8	209	▓	0	0	0	5	15	7	22	602		
1986	3	3	6	341		6	1	7	204		0	0	0	5	9	4	13	550		
1987	3	0	3	351		5	2	7	231		0	0	0	2	8	2	10	584		
1988	2	4	6	462		3	2	5	197		0	0	0	2	5	6	11	66		
1989	4	2	6	492		4	0	4	214		0	0	0	4	3	2	10	710		
1990	3	2	5	405		2	5	7	197		0	0	0	2		7	12	604		
Total																				
1981	61	33	94	1158		73	30	103	5 65		3	2	5	15	137	65	202	1738		
1982	78	25	103	1123		67	25	92	545		2	3	5	8	147	53	200	167		
1983	58	22	80	1213		70	25	95	555		4	2	6	9	132	49	181	177		
1984	60	24	84	1257		56	23	79	530		2	0	2	11	118	47	165	1798		
1985	55	26	81	1171		40	16	56	631		0	0	0	15	95	42	137	181		
1986	34	23	57	1062		36	15	51	579		1	1	2	24	71	39	110	166		
1987	35	14	49	1070		40	14	54	631		2	1	3	10	77	29	106	171		
1988	34	23	57	1266		24	18	42	526		1	1	2	10	59		101	180		
1989	35	16	51	1356		19	13	32	554		1	1	2	10	55	30	85	1920		
1990	25	23	48	1263		30	20	50	498		1	1	2	9	56	44	100	1770		

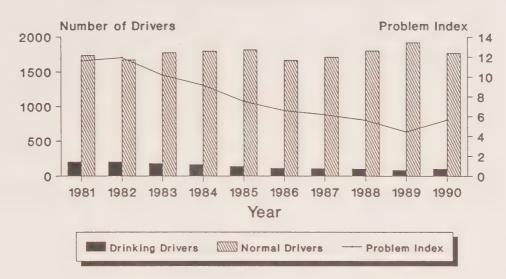
KEY: HBD -- Drivers reported by police to have been drinking

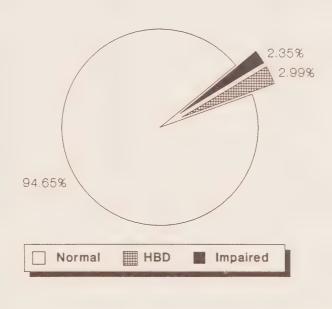
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PERTH

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





PETERBOROUGH

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	ıl İnju	ry		I	ata	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD II	MP [D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	151	67	218	1345		139	63	202	752		5	9	14	7	295	139	434	2104
1982	139	58	197	1350		126	39	165	675		0	3	3	9	265	100	365	2034
1983	88	71	159	1232		86	81	167	633	88	2	7	9	8	176	159	335	187
1984	92	58	150	1319	***	100	65	165	808		5	4	9	4	197	127	324	213
1985	64	71	135	1153	***	72	60	132	775		1	0	1	5	137	131	268	193
1986	35	40	75	1168	***	60	65	125	771	**	1	5	6	8	96	110	206	194
1987	56	52	108	1260	▓	60	55	115	862		2	3	5	7	118	110	228	212
1988	57	65	122	1400		47	44	91	828	▓	5	4	9	13	109	113	222	224
1989	56	48	104	1518		43	47	90	801	▓	0	0	0	13	99	95	194	233
1990	40	47	87	1376		43	52	95	698	▓	- 11	6	7	13	84	105	189	208
Fema	le																	
1981	20	4	24	530		21	2	23	347		D	0	0	2	41	6	47	87
1982	16	3	19	641		20	1	. 21	325		0	1	1	1	36	5	41	96
1983	13	10	23	583		16	9	25	331		Ö	0	0	5	29	19	48	91
1984	5	6	11	619		12	9	21	403		0	2	2	5	17	17	34	102
1985	3	5	8	511		8	5	13	375		1	0	1	1	12	10	22	88
1986	4	8	12	544		8	4	12	416		11	0	1	2	13	12	25	96
1987	9	3	12	623		5	10	15	462		0	0	0	0	14	13	27	108
1988	11	6	17	732	***	9	6	15	460		Ö	0	0	4	20	12	32	119
1989	15	8	23	828		8	13	21	520		O	0	0	7	23	21	44	135
1990	4	15	19	755		9	6	15	478		0	0	0	3	13	21	34	123
Total												-						
1981	171	71	242	1875		160	65	225	1099		5	9	14	9	336	145	481	298
1982	155	61	216	1991		146	40	186	1000		0	4	4	10	301	105	406	300
1983	101	81	182	1815		102	90	192	964		2	7	9	13	205	178	383	279
1984	97	64	161	1938		112	74	186	1211		5	6	11	9	214	144	358	315
1985	67	76	143	1664	888	80	65	145	1150		2	0	2	6	149	141	290	282
1986	39	48	87	1712	888	68	69	137	1187	 2888	2	5	7	10	109		231	290
1987	65	55	120	1883		65	65		1324	 2003	2	3	5	7	132		255	32
1988	68	71	139	2132		56	50		1288		5	4	9	17	129		254	34
1989	71	56	127	2346		51	60		1321		0	0	0	20	122		238	368
1990	44	62	106	2131		52	58		1176		1	6	7	16	97		223	332

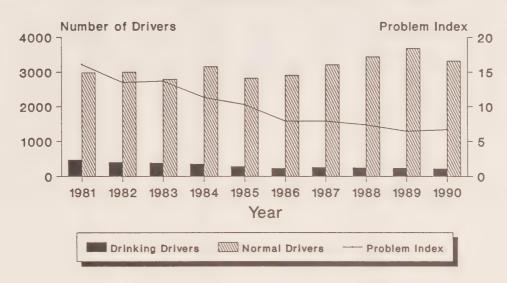
KEY: HBD -- Drivers reported by police to have been drinking

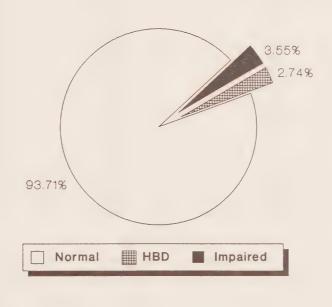
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PETERBOROUGH

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





PRESCOTT

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	erty	Dam	age		Per	sona	l Inju	ry	ı	Fata	al		**		Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD II	MP [D/D 1	NOR		HBD	IMP	D/D	NOR
Male																		
1981	50	24	74	401	***	37	16	53	160	1	1	2	3		88	41	129	564
1982	38	14	52	343		30	22	52	154	0	1	1	4		68	37	105	501
1983	35	15	50	379		38	11	49	180	1	0	1	5		74	26	100	564
1984	26	7	33	407		32	15	47	170	0	0	0	0		58	22	80	577
1985	28	18	46	388	***	30	9	39	236	1	3	4	7		59	30	89	631
1986	22	2	24	399		22	10	32	168	0	1	1	3		44	13	57	570
1987	10	14	24	396		20	10	30	211	3	2	5	1		33	26	59	608
1988	22	7	29	427	***	26	7	33	162	2	0	2	2		50	14	64	591
1989	18	9	27	454		18	11	29	204	0	1	1	4		36	21	57	662
1990	20	12	32	353		13	8	21	141	0	0	0	8		33	20	53	502
Fema	le																	
1981	2	1	3	120		5	0	5	58	0	0	0	1		7	1	8	179
1982	1	0	1	87		3	1	4	59	0	0	0	0		4	1	5	146
1983	1	1	2	127		2	0	2	75	1	0	1	1		4	1	5	203
1984	3	0	3	115		3	2	5	61	0	1	1	0		6	3	9	176
1985	2	0	2	128		3	0	3	92	1	0	1	0		6	0	6	220
1986	3	0	3	127		3	3	6	87	0	0	0	3		6	3	9	217
1987	D	0	0	142		4	0	4	77	0	1	1	1		4	1	5	220
1988	0	0	0	182		1	0	1	85	0	0	0	0		1	0	1	267
1989	1	0	1	219		4	0	4	109	0	0	0	0		5	0	5	328
1990	2	1	3	172		2	1	3	90	0	0	0	1		4	2	6	263
Total																		
1981	52	25	77	521		42	16	58	218	1	1	2	4		95	42	137	743
1982	39	14	53	430		33	23	56	213	0	1	1	4		72	38	110	647
1983	36	16	52	506		40	11	51	255	2	0	2	6		78	27	105	7 67
1984	29	7	36	522		35	17	52	231	0	1	1	0		64	25	89	753
1985	30	18	48	516		33	9	42	328	2	3	5	7		65	30	95	851
1986	25	2	27	526		25	13	38	255	0	1	1	6		50	16	66	787
1987	10	14	24	538		24	10	34	288	3	3	6	2		37	27	64	828
1988	22	7	29	609		27	7	34	247	2	0	2	2		51	14	65	858
1989	19	9	28	673		22	11	33	313	0	1	1	4		41	21	62	990
1990	22	13	35	525		15	9	24	231	0	0	0	9		37	22	59	765

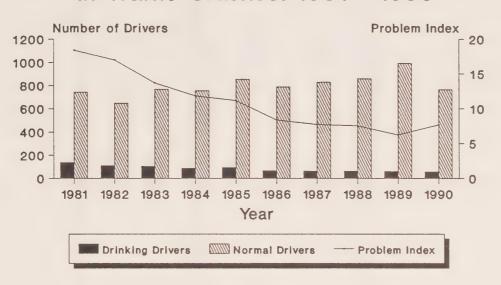
KEY: HBD -- Drivers reported by police to have been drinking

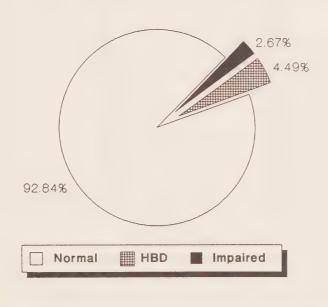
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PRESCOTT

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





PRINCE EDWARD

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Pel	rsona	l Inju	ry		Fat	al		*		Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	нві)	IMP	D/D	NOR	НВІ	O IMP	D/D I	NOR		HBD	IMP	D/D	NOR
Male																		
1981	27	21	48	186		23	7	30	80		0 2	2	5		50	30	80	271
1982	30	13	43	186		29	14	43	96		1 3	4	2	***	60	30	90	284
1983	20	14	34	182		25	11	36	74		0 1	1	- 1		45	26	71	25
1984	28	12	40	217		25	10	35	89		1 0	1	4	**	54	22	76	310
1985	19	12	31	236		29	11	40	131		0 2	2	1		48	25	73	36
1986	8	9	17	196		13	10	23	98		1 2	3	2		22	21	43	296
1987	18	6	24	180		15	10	25	98		0 1	1	- 1		33	17	50	279
1988	13	7	20	180		16	12	28	85		0 0	0	6		29	19	48	27
1989	15	10	25	221		11	6	17	100		2 0	2	4		28	16	44	32
1990	16	5	21	196		13	6	19	88		0 1	1	0	₩I	29	12	41	284
Fema	le																	
1981	2	3	5	80		3	1	4	34		0 0	0	1		5	4	9	11
1982	4	1	5	79		3	0	3	38		0 0	0	- 1		7	1	8	11
1983	3	2	5	84		5	0	5	41		0 0	0	1		8	2	10	12
1984	1	0	1	92		3	1	4	31		0 0	0	1	***	4	1	5	12
1985		1	2	98		1	1	2	57		0 0	0	0	***	2	2	4	15
1986	2	2	4	105		5	1	6	47		0 0	0	0		7	3	10	15
1987	0	1	1	90		4	0	4	51		0 1	1	2		4	2	6	14
1988	0	0	0	79		2	1	3	55		0 0	0	3		2	1	3	13
1989	1	1	2	138		1	1	2	56		0 0	0	0		2	2	4	19
1990	1	1	2	94		0	0	0	51		0 0	0	1	 	1	1	2	14
Total																		
1981	29	24	53	266		26	8	34	114		0 2	2	6		55	34	89	38
1982	34	14	48	265		32	14	46	134		1 3	4	3		67	31	98	40
1983	23	16	39	266		30	11	41	115		0 1	1	2		53	28	81	38
1984	29	12	41	309		28	11	39	120		1 0	1	5		58	23	81	43
1985	20	13	33	334		30	12	42	188		0 2	2	1		50	27	77	52
1986	10	11	21	301		18	11	29	145		1 2	3	2		29	24	53	44
1987	18	7	25	270		19	10	29	149		0 2	2	3		37	19	56	42
1988	13	7	20	259		18	13	31	140		0 0	0	9		31	20	51	40
1989	16	11	27	359		12	7	19	156		2 0	2	4		30	18	48	51
1990	17	6	23	290		13	6	19	139	*	0 1	1	1		30	13	43	43

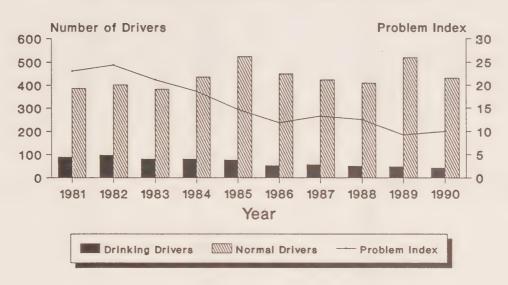
KEY: HBD -- Drivers reported by police to have been drinking

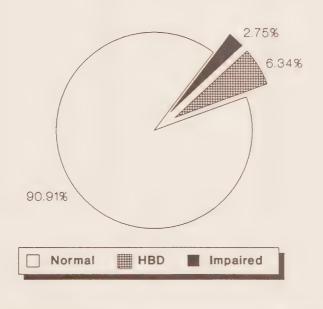
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

PRINCE EDWARD

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





RAINY RIVER

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	rsona	l Inju	ry		Fa	tal				Tot	al	
&														<u> </u>				
Sex	HBD	IMP	D/D	NOR	Н	BD	IMP	D/D	NOR	НВ	O IMP	D/D N	IOR	нв)	IMP	D/D	NOR
Male																		
1981	35	17	52	382		27	16	43	108		1 1	2	0		63	34	97	49
1982	35	25	60	374		17	12	29	105		1 2	3	2		53	39	92	48
1983	31	18	49	344		25	10	35	128		1 2	3	4		57	30	87	47
1984	30	14	44	314		24	8	32	121		2 1	3	4		56	23	79	43
1985	24	6	30	339		19	13	32	127		0 1	1	0		43	20	63	46
1986	17	9	26	290		21	7	28	100		0 1	1	1		38	17	55	39
1987	21	9	30	257		18	8	26	99		2 2	4	3		41	19	60	35
1988	13	4	17	329		13	4	17	95		1 0	1	0		27	8	35	42
1989	9	6	15	374		9	4	13	99		2 0	2	4		20	10	30	47
1990	16	7	23	334		8	8	16	104		0 0	0	1		24	15	39	43
Fema	le																	
1981	7	2	9	124		5	3	8	48		0 0	0	0		12	5	17	1
1982	1	2	3	119		2	2	4	31		1 0	1	0		4	4	8	15
1983	3	2	5	109		6	1	7	54		0 0	0	2		9	3	12	10
1984	2	2	4	150		5	2	7	50		0 1	1	0		7	5	12	2
1985	3	2	5	9 9		3	3	6	54		0 1	1	0		6	6	12	1
1986	2	0	2	106		1	0	1	63		0 0	0	1		3	0	3	1
1987	2	3	5	93		5	2	7	58		1 0	1	0		8	5	13	1
1988	1	2	3	131		3	2	5	57		0 0	0	0		4	4	8	1
1989	4	2	6	154		2	2	4	57		0 0	0	3		6	4	10	2
1990	0	1	1	167		1	0	1	49		0 0	0	0		1	1	2	2
Total																		
1981	42	19	61	506		32	19	51	156		1 1	2	0		75	39	114	6
1982	36	27	63	493		19	14	33	136		2 2	4	2		57	43	100	6
1983	34	20	54	453		31	11	42	182		1 2	3	6		66	33	99	6
1984	32	16	48	464		29	10	39	171		2 2	4	4		63	28	91	6
1985	27	8	35	438		22	16	38	181		0 2	2	0		49	26	75	6
1986	19	9	28	396		22	7	29	163		0 1	1	2		41	17	58	5
1987	23	12	35	350		23	10	33	157		3 2	5	3		49	24	73	5
1988	14	6	20	460		16	6	22	152		1 0		0		31	12	43	6
1989	13	8	21	528		11	6	17	156		2 0		7		26	14	40	6
1990	16		24			9	8	17			0 0		1		25	16	41	6

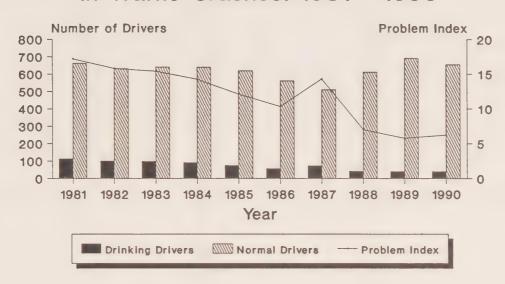
KEY: HBD -- Drivers reported by police to have been drinking

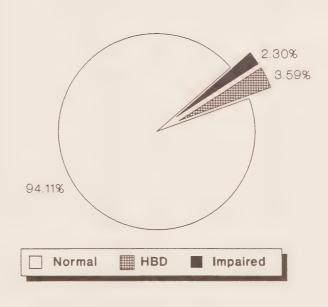
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RAINY RIVER

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





RENFREW

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry		Fat	al			Tot	al	
&																	
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	IMP	D/D N	NOR	HBD	IMP	D/D	NOR
Male																	
1981	126	61	187	945		132	38	170	472	7	10	17	15	265	109	374	1432
1982	111	48	159	912		115	39	154	461	7	7	14	22	233	94	327	139
1983	88	48	136	1009	***************************************	85	40	125	475	3	4	7	19	176	92	268	150
1984	93	50	143	1036	***************************************	80	31	111	454	3	2	5	19	176	83	259	150
1985	82	30	112	952	**	94	32	126	465	3	5	8	11	179	67	246	142
1986	54	28	82	862	**	61	26	87	448	3	4	7	14	118	58	176	132
1987	55	28	83	881	*	64	21	85	492	1	4	5	15	120	53	173	138
1988	46	24	70	973		37	19	56	460	1	6	7	16	84	49	133	144
1989	50	34	84	1002		36	26	62	455	6	1	7	20	92	61	153	147
1990	50	24	74	977		35	19	54	417	1	3	4	20	86	46	132	141
Fema	le																
1981	7	8	15	323		16	6	22	198	0	0	0	0	23	14	37	52
1982	13	4	17	310		13	4	17	172	2	0	2	2	28	8	36	48
1983	9	4	13	325		15	1	16	169	0	1	1	8	24	6	30	50
1984	10	4	14	384		11	1	12	177	1	0	1	8	22	5	27	56
1985	4	1	5	378		8	1	9	230	0	1	1	5	12	3	15	61
1986	4	4	8	322		7	1	8	237	0	0	0	4	11	5	16	56
1987	5	1	6	369		9	1	10	271	1	0	1	4	15	2	17	64
1988	5	4	9	442		8	2	10	256	0	2	2	3	13	8	21	70
1989	6	3	9	453		3	3	6	252	0	0	0	3	9	6	15	70
1990	5	5	10	452		2	3	5	241	0	1	1	6	7	9	16	69
Total																	
1981	133	69	202	1268		148	44	192	670	7	10	17	15	288	123	411	195
1982	124	52	176	1222		128	43	171	633	9	7	16	24	261	102	363	187
1983	97	52	149	1334		100	41	141	644	3	5	8	27	200	98	298	200
1984	103	54	157	1420		91	32	123	631	4	2	6	27	198	88	286	207
1985	86	31	117	1330		102	33	135	695	3	6	9	16	191	70	261	20-
1986	58		90			68	27	95	685	3	4	7	18	129		192	18
1987	60		89			73	22	95	763	2	4	6	19	135		190	203
1988	51		79		1888	45	21	66	716	1	8	9	19	97		154	21
1989	56		93			39	29	68	707	6		7	23	101		168	218
1990	55		84		-	37			658	1	4	5	26	93		148	21

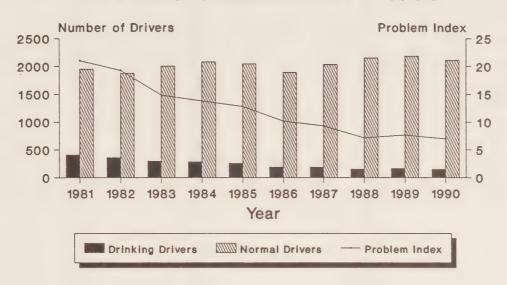
KEY: HBD -- Drivers reported by police to have been drinking

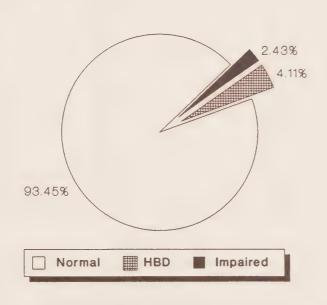
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

RENFREW

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





RUSSELL

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Pei	rsona	ıl İnju	ry	F	ata	al				Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD II	MP [D/D N	IOR		HBD	IMP	D/D	NOR
Male																		
1981	17	6	23	141		21	9	30	80	0	1	1	3		38	16	54	224
1982	27	11	38	190	**	17	8	25	92	2	0	2	- 1	***	46	19	65	283
1983	22	12	34	233		17	12	29	122	il	1	2	4	***	40	25	65	359
1984	18	7	25	209		21	9	30	123	2	0	2	5	***	41	16	57	337
1985	20	7	27	237	***	24	5	29	148	O	1	1	4	***	44	13	57	389
1986	11	5	16	245		26	11	37	118	IO.	1	1	4	***	37	17	54	367
1987	10	10	20	270		12	13	25	145	1	3	4	6		23	26	49	42
1988	17	2	19	279		12	7	19	118	2	2	4	2		31	11	42	39
1989	14	10	24	306		7	10	17	132	1	3	4	3		22	23	45	44
1990	10	6	16	295		11	2	13	112	0	2	2	7		21	10	31	414
Fema	le																	
1981	3	1	4	46		3	0	3	36	0	0	0	1		6	1	7	8:
1982	1	1	2	76		1	0	1	31	0	0	0	0		2	1	3	10
1983	0	1	1	84		2	1	3	48	0	0	0	3		2	2	4	13
1984	2	0	2	101		2	0	2	47	0	0	0	1	**	4	0	4	14
1985	2	1	3	91		3	1	4	83	0	0	0	- 1	***************************************	5	2	7	17
1986	0	4	4	111		3	2	5	53	0	0	0	0		3	6	9	16
1987	2	0	2	102		0	1	1	52	0	0	0	- 1		2	1	3	15
1988	0	3	3	149		2	3	5	78	0	0	0	0		2	6	8	22
1989	2	1	3	155		1	0	1	70	1	1	2	2		4	2	6	22
1990	1	1	2	159		1	0	1	56	0	0	0	0		2	1	3	21
Total																		
1981	20	7	27	187		24	9	33	116	0	1	1	4		44	17	61	30
1982	28	12	40	26 6		18	8	26	123	2	0	2	- 1		48	20	68	39
1983	22	13	35	317		19	13	32	170	1	1	2	7		42	27	69	49
1984	20	7	27	310		23	9	32	170	2	0	2	6		45	16	61	48
1985	22	8	30	328		27	6	33	231	0	1	1	5		49	15	64	56
1986	11	9	20	356		29	13	42	171	0	1	1	4		40	23	63	53
1987	12	10	22	372		12	14	26	197	1	3	4	7		25	27	52	57
1988	17	5	22	428		14	10	24	196	2	2	4	2		33	17	50	62
1989	16	11	27	461		8	10	18	202	2	4	6	5		26	25	51	66
1990	11	7	18	454		12	2	14		0	2	2	7	麣	23	11	34	62

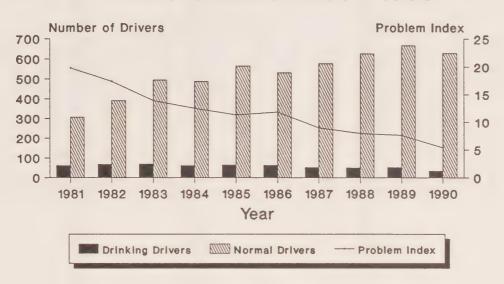
KEY: HBD - Drivers reported by police to have been drinking

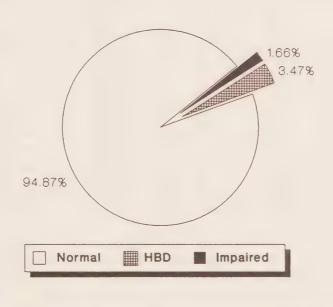
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP



Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





SIMCOE

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	Per	sona	ıl Inju	ry	ı	Fat	al				Tot	al	
&													. <u> </u>				
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP I	D/D N	NOR	HBD		IMP	D/D	NOR
Male																	
1981	253	156	409	3043	287	136	423	1572	9	12	21	32	54	19	304	853	4647
1982	225	140	365	3067	232	132	364	1544	5	4	9	37	46	2	276	738	4648
1983	239	136	375	2731	204	118	322	1400	2	11	13	37	44	15	265	710	4168
1984	232	157	389	3266	240	124	364	1666	8	11	19	33	48	30	292	772	4965
1985	197	111	308	3300	222	110	332	1765	7	9	16	25	42	26	230	656	5090
1986	176	106	282	3308	157	115	272	1796	5	7	12	32	33	38	228	566	5136
1987	145	123	268	3455	167	148	315	2192	5	7	12	41	31	7	278	595	5688
1988	149	107	256	4406	147	105	252	2045	3	13	16	31	29	9	225	524	6482
1989	171	136	307	5068	122	118	240	2001	9	6	15	49	30)2	260	562	7118
1990	140	120	260	4591	129	111	240	1696	10	7	17	36	27	9	238	517	6323
Fema	le																
1981	25	17	42	1217	35	14	49	641	D	0	0	7	(60	31	91	1865
1982	40	7	47	1271	39	. 8	47	662	D	0	0	10	1	79	15	94	1943
1983	37	9	46	1200	34	11	45	603	1	1	2	6	7	72	21	93	1809
1984	45	13	58	1446	37	9	46	735	2	0	2	8	1	34	22	106	2189
1985	21	12	33	1523	29	6	35	817	O	2	2	13		50	20	70	2353
1986	23	13	36	1466	29	8	37	922	1	0	1	12		53	21	74	2400
1987	14	8	22	1613	37	17	54	1095	Ö	1	1	15		51	26	77	2723
1988	26	10	36	2116	19	12	31	1055	11	1	2	8	4	16	23	69	3179
1989	22	19	41	2339	23	10	33	1138	1	1	2	12	4	16	30	76	3489
1990	16	26	42	2391	25	12	37	1062	0	0	0	14		11	38	79	3467
Total																	
1981	278	173	451	4260	322	150	472	2213	9	12	21	3 9	60)9	335	944	6512
1982	265	147	412	4338	271	140	411	2206	5	4	9	47	54	41	291	832	6591
1983	276	145	421	3931	238	129	367	2003	3	12	15	43	5	17	286	803	5977
1984	277	170	447	4712	277	133	410	2401	10	11	21	41	5	54	314	878	7154
1985	218	123	341	4823	251	116	367	2582	7	11	18	38	4	76	250	726	7443
1986	199	119	318	4774	186	123	309	2718	6	7	13	44	3	91	249	640	7536
1987	159	131	290	5068	204	165	369	3287	5	8	13	56	3(68	304	672	8411
1988	175	117	292	6522	166	117	283	3100	4	14	18	39	3	45	248	593	9661
1989	193	155	348	7407	145	128	273	3139	10	7	17	61	3	48	290	638	10607
1990	156	146	302	6982	154	123	277	2758	10	7	17	50	3	20	276	596	9790

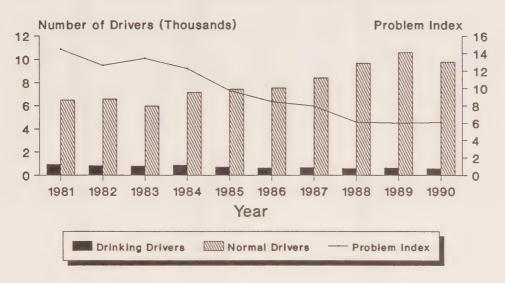
KEY: HBD -- Drivers reported by police to have been drinking

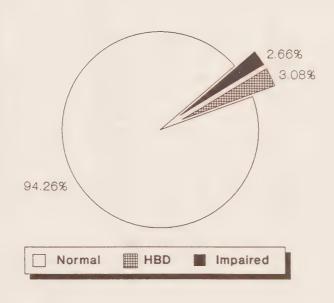
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

SIMCOE

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





STORMONT

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Per	sona	l Inju	ry		F	ata	al			Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR		HBD IN	AP D	D/D N	IOR	HBD	IMP	D/D	NOR
Male																		
1981	64	44	108	945		90	23	113	485	*	0	1	1	4	154	68	222	1434
1982	68	31	99	944	**	82	26	108	548	**	0	4	4	5	150	61	211	1497
1983	53	41	94	932	**	60	25	85	458	*	0	4	4	9	113	70	183	1399
1984	53	34	87	1049		56	22	78	463		1	1	2	3	110	57	167	1515
1985	35	28	63	873	▓	42	27	69	520		2	2	4	2	79	57	136	1395
1986	34	25	59	852		42	28	70	451		1	5	6	2	77	58	135	1305
1987	40	20	60	795		35	31	66	522		0	1	1	3	75	52	127	1320
1988	26	17	43	897		18	20	38	530		1	2	3	6	45	39	84	1433
1989	29	24	53	963	***	20	23	43	529		2	1	3	11	51	48	99	1503
1990	32	36	68	902	***	19	16	35	487		0	2	2	4	51	54	105	1393
Fema	le																	
1981	12	1	13	324		8	0	8	216		0	0	0	1	20	1	21	541
1982	3	2	5	325		10	1	11	196		0	0	0	2	13	3	16	523
1983	8	1	9	337		10	1	11	207		1	2	3	1	19	4	23	545
1984	6	4	10	413		12	0	12	195		0	0	0	0	18	4	22	608
1985	8	2	10	342		5	1	6	222		0	0	0	3	13	3	16	567
1986	1	3	4	380		5	4	9	206		0	1	1	2	6	8	14	588
1987	4	4	8	374		6	3	9	234		0	0	0	2	10	7	17	610
1988	3	3	6	372		5	2	7	238		0	0	0	1	8	5	13	611
1989	3	1	4	455		5	2	7	254		0	1	1	6	8	4	12	715
1990	Ō	4	4	438		7	4	11	232		0	2	2	2	7	10	17	672
Total																		
1981	76	45	121	1269		98	23	121	701		0	1	1	5	174	69	243	1975
1982	71	33	104	1269		92	27	119	744		0	4	4	7	163	64	227	2020
1983	61	42	103	1269		70	26	96	665		1	6	7	10	132	74	206	1944
1984	59	38	97	1462		68	22	90	658		1	1	2	3	128	61	189	2123
1985	43	30	73	1215		47	28	75	742		2	2	4	5	92	60	152	1962
1986	35	28	63	1232		47	32	79	657		1	6	7	4	83	66	149	1893
1987	44	24	68	1169		41	34	75	756		0	1	1	5	85	59	144	1930
1988	29	20	49	1269		23	22	45	768		1	2	3	7	53	44	97	2044
1989	32	25	57	1418		25	25	50	783		2	2	4	17	59	52	111	2218
1990	32	40	72	1340		26	20	46	719		0	4	4	6	58	64	122	2065

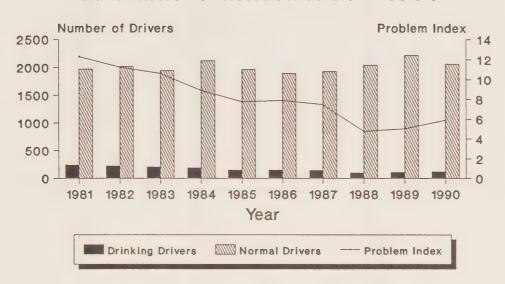
KEY: HBD -- Drivers reported by police to have been drinking

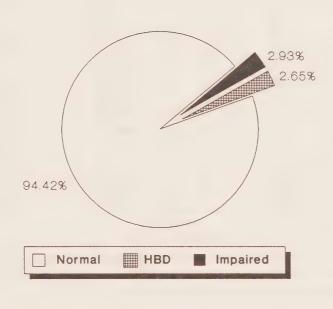
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

STORMONT

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





SUDBURY DISTRICT & REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1981 - 1990

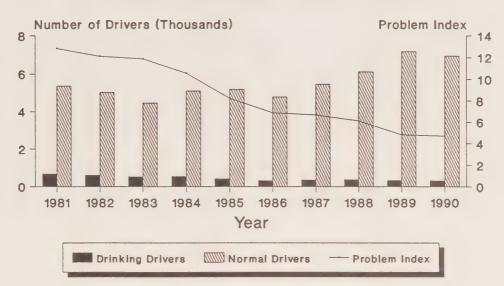
Year	Prop	erty	Dam	age	Per	rsona	l Inju	ry	***		Fat	al				Tot	al	
&																		
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD I	MP I	D/D i	NOR		HBD	IMP	D/D	NOR
Male																		
1981	198	105	303	2571	184	112	296	1368		6	13	19	35		388	230	618	3974
1982	161	122	283	2462	166	89	255	1207		2	9	11	16		329	220	549	3685
1983	133	85	218	1997	132	100	232	1160	▓	6	15	21	18		271	200	471	3175
1984	141	81	222	2295	139	115	254	1343		3	11	14	30	▒	283	207	490	3668
1985	92	60	152	2204	125	83	208	1478	▓	8	7	15	28		225	150	375	3710
1986	71	44	115	1934	88	71	159	1400	▓	6	8	14	28		165	123	288	3362
1987	74	57	131	2174	100	78	178	1573	░	4	8	12	18		178	143	321	3765
1988	90	61	151	2722	89	73	162	1478		4	9	13	27		183	143	326	4227
1989	87	69	156	3175	65	85	150	1671		1	5	6	26		153	159	312	4872
1990	69	80	149	3279	63	75	138	1398		1	5	6	19		133	160	293	4696
Fema	le																	
1981	22	10	32	856	19	17	36	519		1	1	2	8		42	28	70	1383
1982	21	5	26	830	27	5	32	498	**	0	1	1	6		48	11	59	1334
1983	16	9	25	739	19	14	33	5 35		0	0	0	6	**	35	23	58	1280
1984	18	4	22	826	18	6	24	588		1	0	1	5		37	10	47	1419
1985	14	5	19	809	19	13	32	651		0	0	0	8		33	18	51	1468
1986	14	5	19	771	16	6	22	634		0	0	0	4		30	11	41	1409
1987	9	3	12	930	20	8	28	737		1	1	2	10	▒	30	12	42	167
1988	14	5	19	1110	16	10	26	746		1	1	2	11		31	16	47	186
1989	5	6	11	1432	14	10	24	863		0	0	0	6		19	16	35	230
1990	8	12	20	1503	7	5	12	725		0	1	1	10		15	18	33	2238
Total																		
1981	220	115	335	3427	203	129	332	1887		7	14	21	43		430	258	688	5357
1982	182	127	309	3292	193	94	287	1705		2	10	12	22		377	231	608	5019
1983	149	94	243	2736	151	114	265	1695		6	15	21	24		306	223	529	445
1984	159	85	244	3121	157	121	278	1931		4	11	15	35		320	217	537	508
1985	106	65	171	3013	144	96	240	2129	1888	8	7	15	36		258	168	426	517
1986	85	49	134	2705	104	77	181	2034	888	6	8	14	32		195	134	329	477
1987	83	60	143	3104	120	86	206	2310		5	9	14	28		208	155	363	544
1988	104	66	170	3832	105	83	188	2224	li iiii	5	10	15	38		214	159	373	609
1989	92	75	167	4607	79	95	174	2534		1	5	6	32		172	175	347	717
1990	77	92		4782	70	80	150	2123	188	1	6	7	29		148	178	326	693

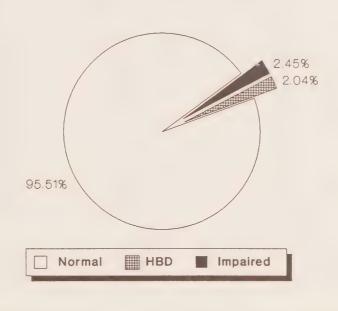
KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

SUDBURY DISTRICT & REGIONAL MUNICIPALITY Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





THUNDER BAY

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	Per	rsona	l Inju	ry	I	Fat	al			Tot	al	
&																
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP I	D/D N	NOR	HBD	IMP	D/D	NOR
Male																
1981	257	152	409	2940	178	115	293	1218	4	9	13	22	439	276	715	418
1982	166	129	295	2985	141	106	247	1088	5	5	10	9	312	240	552	40
1983	184	127	311	2887	139	111	250	1158	5	9	14	25	328	247	575	40
1984	186	147	333	2983	163	121	284	1288	5	7	12	20	354	275	629	42
1985	159	109	268	2744	125	88	213	1222	3	8	11	20	287	205	492	39
1986	97	87	184	2561	92	81	173	1400	4	7	11	22	193	175	368	39
1987	112	79	191	2376	96	94	190	1322	1	4	5	18	209	177	386	37
1988	96	78	174	2969	73	54	127	1171	5	5	10	23	174	137	311	41
1989	83	103	186	3145	75	57	132	1156	4	1	5	21	162	161	323	43
1990	81	70	151	2991	61	53	114	1094	D	2	2	21	142	125	267	41
Fema	le															
1981	20	19	39	1003	29	16	45	472	10	0	0	4	49	35	84	14
1982	18	14	32	1009	16	9	25	461	1	0	1	2	35	23	58	14
1983	24	9	33	1144	28	13	41	541	Ō	1	1	5	52	23	75	16
1984	22	24	46	1226	28	14	42	556	1	0	1	4	51	38	89	17
1985	21	17	38	1156	17	5	22	561	0	0	0	4	38	22	60	17
1986	12	10	22	1171	21	12	33	633	O	1	1	6	33	23	56	18
1987	13	13	26	1024	17	19	36	681	Ö	0	0	4	30	32	62	17
1988	15	17	32	1304	11	2	13	666	Ö	0	0	9	26	19	45	19
1989	14	8	22	1458	11	9	20	695	D	0	0	1	25	17	42	21
1990	8	15	23	1525	12	8	20	611	0	0	0	1	20	23	43	21
Total																
1981	277	171	448	3943	207	131	338	1690	4	9	13	26	488	311	799	56
1982	184	143	327	3994	157	115	272	1549	6	5	11	11	347	263	610	55
1983	208	136	344	4031	167	124	291	1699	5	10	15	30	380	270	650	57
1984	208	171	379	4209	191	135	326	1844	6	7	13	24	405	313	718	60
1985	180	126	306	3900	142	93	235	1783	3	8	11	24	325	227	552	57
1986	109	97			113	93	206	2033	4	8	12	28	226	198	424	57
1987	125	92	217		113	113	226	2003	1	4	5	22	239	209	448	54
1988	111	95	206		84	56	140	1837	5	5	10	32	200	156	356	6
1989	97			4603	86	66	152	1851	4	1	5	22	187	178	365	64
1990	89		174	4516	73	61	134	1705	0	2	2	22	162	148	310	62

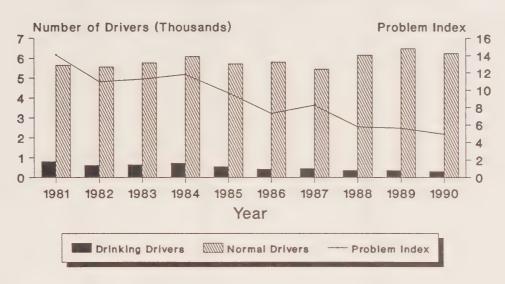
KEY: HBD -- Drivers reported by police to have been drinking

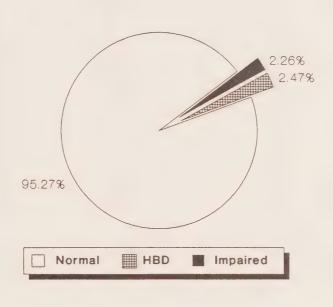
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

THUNDER BAY

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





TIMISKAMING

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age	P	ersona	al Inju	iry		F	ata	al			To	tal	
&														<u> </u>			
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR		HBD II	MP C	D/D N	NOR	HBD	IMP	D/D	NOR
Male																	
1981	59	37	96	610	6	6 25	91	262		2	3	5	10	127	65	192	882
1982	54	18	72	604	4	8 14	62	245		2	5	7	9	104	37	141	858
1983	59	28	87	505	4	8 12	60	237		0	3	3	4	107	43	150	746
1984	49	15	64	541	3	5 12	47	212	▓	1	1	2	3	85	28	113	756
1985	39	17	56	504	4	7 15	62	263	**	1	0	1	5	87	32	119	772
1986	23	12	35	496	3	2 8	40	227	***	0	5	5	11	55	25	80	734
1987	21	13	34	490	2	3 15	38	259		1	0	1	8	45	28	73	757
1988	20	18	38	640	2	4 12	36	235		0	1	1	4	44	31	75	879
1989	18	9	27	611	1	0 10	20	241		1	0	1	5	25	19	48	857
1990	13	12	25	564	1	7 14	31	188	▓.	1	1	2	7	3.	27	58	759
Fema	le																
1981	11	3	14	160		3 0	3	98		0	1	1	2	14	4	18	260
1982	1	2	3	166	1	ō 4	14	71		0	1	1	4	11	7	18	24
1983	3	0	3	172		2 3	5	71		0	2	2	2	!	5 5	10	24
1984	3	3	6	178		4 2	6	83		0	0	0	1		5	12	26
1985	3	1	4	160		5 0	5	79		0	0	0	0	1	3 1	9	23
1986	3	1	4	162		1 1	2	113		0	0	0	0	4	2	6	27
1987	1	1	2	181		5 4	9	89		1	0	1	1		5	12	27
1988	1	4	5	201		2 0	2	101		0	0	0	0		3 4	7	30
1989	2	2	4	249		1 3	4	92		1	0	1	0	4	5	9	34
1990	3	1	4	249		2 0	2	96		0	1	1	0		5 2	7	34
Total																	
1981	70	40	110	770	6	9 25	94	360		2	4	6	12	14	69	210	114
1982	55	20	75	770	5	8 18	76	316		2	6	8	13	119	5 44	159	109
1983	62	28	90	677	5	0 15	65	308		0	5	5	6	11	2 48	160	99
1984	52	18	70	719	3	9 14	53	295		1	1	2	4	9:	2 33	125	101
1985	42	18	60	664	5	2 15	67	342		1	0	1	5	9:	5 33	128	101
1986	26	13	39		3	3 9	42	340		0	5	5	11	5	27		100
1987	22	14	36		2	8 19	47			2	0	2	9	5	2 33		102
1988	21	22	43		2	6 12	38		333	0	1	1	4	4	7 35	82	118
1989	20		31	860	1	1 13	24			2	0	2	5	3	3 24		119
1990	16	13	29			9 14	33		3000	1	2	3	7	3	5 29	65	110

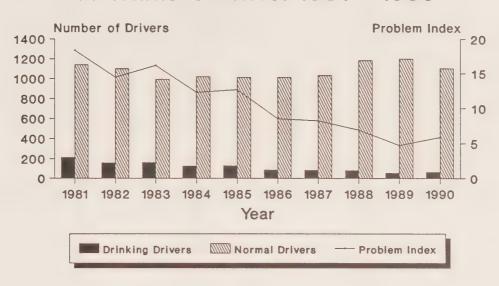
KEY: HBD -- Drivers reported by police to have been drinking

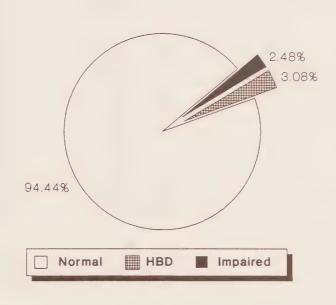
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TIMISKAMING

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





METROPOLITAN TORONTO & YORK REGION

Drivers Involved in Traffic Crashes, 1981 - 1990

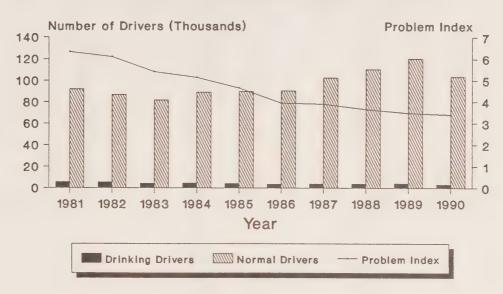
Year	Prop	erty	Dam	age	Per	sona	l Inju	ry	1	Fata	al				Tot	al	
&																	
Sex	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD II	MP [D/D N	NOR	нвс)	IMP	D/D	NOR
Male																	
1981	1572	1280	2852	46696	1188	1155	2343	24316	14	25	39	132	27	74	2460	5234	71144
1982	1449	1110	2559	43796	1106	1068	2174	22988	22	23	45	122	25	77	2201	4778	66906
1983	1186	894	2080	39796	944	885	1829	21912	17	30	47	114	21	47	1809	3956	61822
1984	1241	935	2176	42777	971	918	1889	24226	16	32	48	125	22	28	1885	4113	67128
1985	906	753	1659	38373	1047	968	2015	28740	11	33	44	142	19	64	1754	3718	67255
1986	801	648	1449	38018	876	853	1729	29295	16	21	37	123	16	93	1522	3215	67436
1987	888	656	1544	42702	976	998	1974	33137	14	22	36	155	18	78	1676	3554	75994
1988	1060	755	1815	51579	927	840	1767	30141	21	34	55	177	20	80	1629	3637	81897
1989	1173	854	2027	58566	915	814	1729	29723	25	16	41	163	21	13	1684	3797	88452
1990	955	849	1804	52865	649	665	1314	23214	13	23	36	135	16	17	1537	3154	76214
Fema	le																
1981	158	112	270	13189	184	137	321	7703	2	2	4	24	3	44	251	595	20916
1982	138	97	235	12671	161	114	275	7213	3	4	7	27	3	02	215	517	19911
1983	129	88	217	12207	124	100	224	7509	0	1	1	27	2	53	189	442	19743
1984	120	101	221	13356	120	99	219	8209	1	1	2	29	2	41	201	442	21594
1985	105	82	187	12103	139	107	246	10149	4	2	6	31	2	48	191	439	22283
1986	89	72	161	12271	94	80	174	10652	0	5	5	24	1	83	157	340	22947
1987	102	78	180	14143	141	106	247	12221	2	2	4	38	2	45	186	431	26402
1988	135	64	199	16983	107	83	190	11396	2	1	3	31	2	44	148	392	28410
1989	129	78	207	20181	81	84	165	11459	1	2	3	40	2	11	164	375	31680
1990	115	82	197	17970	83	73	156	9207	2	2	4	22	2	00	157	357	27199
Total																	
1981	1730	1392	3122	59885	1372	1292	2664	32019	16	27	43	156	31	18	2711	5829	92060
1982	1587	1207	2794	56467	1267	1182	2449	30201	25	27	52	149	28	79	2416	5295	86817
1983	1315	982	2297	52003	1068	985	2053	29421	17	31	48	141	24	00	1998	4398	81565
1984	1361	1036	2397	56133	1091	1017	2108	32435	17	33	50	154	24	69	2086	4555	88722
1985	1011	835	1846	50476	1186	1075	2261	38889	15	35	50	173	22	12	1945	4157	89538
1986	890	720	1610	50289	970	933	1903	39947	16	26	42	147	18	76	1679	3555	90383
1987	990	734	1724	56845	1117	1104	2221	45358	16	24	40	193	21	23	1862	3985	102396
1988	1195	819	2014	68562	1034	923	1957	41537	23	35	58	208	22	52	1777	4029	110307
1989	1302	932	2234	78747	996	898	1894	41182	26	18	44	203	23	24	1848	4172	120132
1990	1070	931	2001	70835	732	738	1470	32421	15	25	40	157	18	17	1694	3511	103413

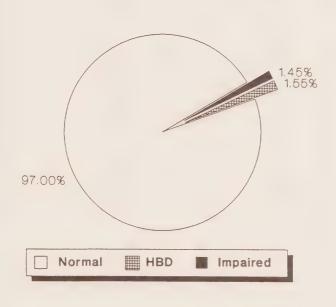
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METROPOLITAN TORONTO & YORK REGION Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





VICTORIA

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Pei	rsona	ıl İnju	ry		F	ata	al			Total			
&																			
Sex	HBD	IMP	D/D	NOR	Н	IBD	IMP	D/D	NOR		HBD I	MP [D/D N	IOR	HBD	IN	MP	D/D	NOR
Male																			
1981	70	24	94	552		71	18	89	294		4	2	6	7	14	5	44	189	853
1982	57	22	79	511		80	21	101	290		2	3	5	8	13	19	46	185	809
1983	51	20	71	523		81	28	109	275		0	4	4	7	13	12	52	184	805
1984	51	24	75	603		66	19	85	282		5	3	8	6	12	2	46	168	891
1985	46	21	67	584		53	15	68	343		2	3	5	9	10	1	39	140	936
1986	26	16	42	615		47	21	68	367		2	5	7	12	7	5	42	117	994
1987	41	23	64	611		61	14	75	420		3	1	4	4	10)5	38	143	1035
1988	42	20	62	788		42	21	63	456		4	2	6	10	8	8	43	131	1254
1989	53	21	74	920		42	19	61	432	▓	1	4	5	5	9	6	44	140	1357
1990	36	15	51	803		26	22	48	328	▒	1	2	3	7	6	3	39	102	1138
Fema	le																		
1981	4	2	6	210		6	2	8	145		0	0	0	2	1	0	4	14	357
1982	5	1	6	186		9	2	11	129		0	4	4	2	1	4	7	21	317
1983	7	4	11	231		7	3	10	151		0	0	0	1	1	4	7	21	383
1984	4	4	8	245		10	0	10	158		0	1	1	3	1	4	5	19	406
1985	6	1	7	204		9	4	13	156	░	0	0	0	4	1	5	5	20	364
1986	5	3	8	240		6	3	9	154		0	0	0	0	1	11	6	17	39-
1987	5	2	7	313		8	4	12	204		0	1	1	2	1	13	7	20	51
1988	4	1	5	413		10	4	14	257		0	0	0	7	1	14	5	19	67
1989	7	1	8	455		6	0	6	243		1	0	1	2	1	14	1	15	70
1990	2	3	5	417		4	3	7	178		0	0	0	2		6	6	12	59
Total																			
1981	74	26	100	762		77	20	97	439		4	2	6	9	15	55	48	203	121
1982	62	23	85	697		89	23	112	419		2	7	9	10	15	53	53	206	112
1983	58	24	82	754		88	31	119	426		0	4	4	8	14	16	59	205	118
1984	55	28	83	848		76	19	95	440		5	4	9	9	13	36	51	187	129
1985	52			788		62	19	81	499	***	2	3	5	13	11		44	160	130
1986	31		50			53		77			2	5	7	12	88	36	48	134	138
1987	46		71	924		69	18				3	2	5	6		18	45	163	155
1988	46		67	1201		52					4	2	6	17		02	48	150	193
1989	60					48	19			2000	2	4	6	7		10	45	155	205
1990	38					30				1988	1	2	3	9		69	45	114	173

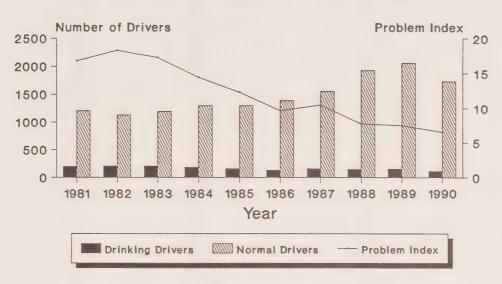
KEY: HBD -- Drivers reported by police to have been drinking

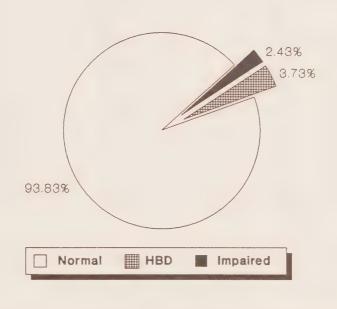
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

VICTORIA

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





WATERLOO

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	erty	Dam	age		Per	sona	l Inju	ry		1	Fat	al		Т			Total		
&																				
Sex	HBD	IMP	D/D	NOR	ŀ	HBD	IMP	D/D	NOR		HBD I	MP I	D/D N	NOR	нвс)	IMP	D/D	NOR	
Male																				
1981	343	190	533	4896		242	202	444	2076		6	7	13	29	59	91	399	990	7001	
1982	298	168	466	4992		223	154	377	2047		8	7	15	21	5	29	329	858	7060	
1983	221	159	380	4489		194	146	340	2035		4	9	13	23	4	19	314	733	6547	
1984	232	151	383	4857		211	172	383	2319		9	5	14	16	4	52	328	780	7192	
1985	192	146	338	4521		216	158	374	2788	***	5	12	17	21	4	13	316	729	7330	
1986	179	113	292	4595		171	163	334	2893	▓	4	6	10	20	3:	54	282	636	7508	
1987	172	123	295	5062		184	169	353	3252		4	7	11	33	3(30	299	659	8347	
1988	183	163	346	5960		153	156	309	3054		5	4	9	26	3	11	323	664	9040	
1989	173	157	330	6307		102	156	258	2910		6	3	9	26	2	31	316	597	9243	
1990	163	147	310	5782		106	123	229	2409		3	4	7	22	2	72	274	546	8213	
Fema	le																			
1981	47	10	57	1940		28	15	43	912		0	0	0	3		75	25	100	285	
1982	39	12	51	2062		31	16	47	886		0	1	1	6		70	29	99	295	
1983	31	21	52	1902		29	14	43	982		0	0	0	7		60	35	95	289	
1984	40	13	53	2143		30	16	46	1053		0	0	0	4		70	29	99	320	
1985	17	15	32	2046		28	23	51	1305		0	0	0	6		45	38	83	335	
1986	17	7	24	2056		15	17	32	1389		0	0	0	6		32	24	56	345	
1987	18	14	32	2297		24	13	37	1610		0	1	1	6		42	28	70	391	
1988	22	19	41	2740		24	20	44	1566		1	0	1	11		47	39	86	431	
1989	20	15	35	2970		23	12	35	1569		0	0	0	7		43	27	70	454	
1990	22	14	36	2846		18	6	24	1372		1	1	2	4		41	21	62	422	
Total																				
1981	390	200	590	6836		270	217	487	2988		6	7	13	32	6	66	424	1090	985	
1982	337	180	517	7054		254	170	424	2933		8	8	16	27	5	99	358	957	1001	
1983	252	180	432	6391		223	160	383	3017		4	9	13	30	4	79	349	828	943	
1984	272	164	436	7000		241	188	429	3372		9	5	14	20	5	22	357	879	1039	
1985	209	161	370	6567		244	181	425	4093		5	12	17	27	4	58	354	812	1068	
1986	196	120	316	6651		186	180	366	4282		4	6	10	26	3	86	306	692	1095	
1987	190	137	327	7359		208	182	390	4862		4	8	12	39	4	02	327	729	1226	
1988	205	182	387	8700		177	176	353	4620		6	4	10	37	3	88	362	750	1335	
1989	193	172	365	9277		125	168	293	4479		6	3	9	33	3	24	343	667	1378	
1990	185	161	346	8628		124	129	253	3781		4	5	9	26	3	13	295	608	1243	

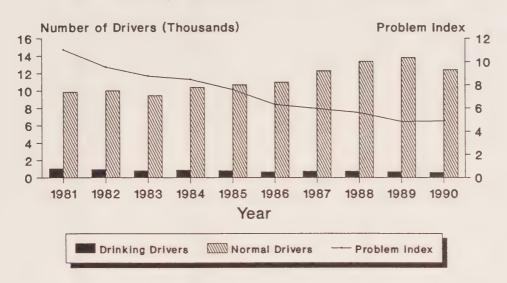
KEY: HBD -- Drivers reported by police to have been drinking

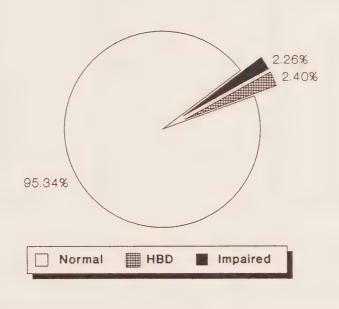
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

WATERLOO

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990





WELLINGTON

Drivers Involved in Traffic Crashes, 1981 - 1990

Year	Prop	perty	Dam	age		Pei	rsona	l Inju	ry	F	at	al			Total		
&																	
Sex	HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD IN	AP I	D/D N	NOR	HBD	IMP	D/D	NOR
Male																	
1981	136	52	188	1586		138	52	190	894	5	6	11	19	27	110	389	249
1982	136	54	190	1663		132	55	187	962	5	6	11	19	27	3 115	388	26
1983	128	51	179	1577		132	48	180	890	6	4	10	24	26	103	369	24
1984	127	60	187	1841		116	58	174	941	6	6	12	19	24	124	373	28
1985	72	44	116	1659		118	48	166	1181	3	8	11	26	19	3 100	293	28
1986	95	28	123	1705		88	36	124	1257	2	4	6	16	18	5 68	253	29
1987	80	36	116	1869		105	51	156	1454	5	8	13	16	19	95	285	33
1988	71	54	125	2306		72	49	121	1428	2	7	9	38	14	5 110	255	37
1989	85	40	125	2304		71	57	128	1246	5	1	6	34	16	1 98	259	35
1990	59	34	93	2097		72	48	120	1109	0	5	5	24	13	1 87	218	32
Fema	le																
1981	16	7	23	634		20	2	22	361	2	0	2	2	3	3 9	47	9
1982	14	3	17	664		13	3	16	397	1	0	1	5	2	3 6	34	10
1983	11	6	17	662		20	6	26	386	2	0	2	4	3	3 12	45	10
1984	25	5	30	743		14	9	23	426	0	0	0	7	3	9 14	53	11
1985	7	7	14	719		12	8	20	518	1	1	2	10	2	16	36	12
1986	10	2	12	693		21	6	27	604	1	1	2	6	3.	2 9	41	13
1987	8	4	12	761		16	3	19	690	0	1	1	8	2	4 8	32	14
1988	11	4	15	1111		24	3	27	674	1	0	1	9	3	5 7	43	17
1989	4	5	9	1141		21	5	26	686	0	0	0	8	2	5 10	35	18
1990	10	7	17	1058		14	1	15	607	1	0	1	3	2	5 8	33	16
Total																	
1981	152	59	211	2220		158	54	212	1255	7	6	13	21	31	7 119	436	34
1982	150	57	207	2327		145	58	203	1359	6	6	12	24	30	1 121	422	37
1983	139	57	196	2239		152	54	206	1276	8	4	12	28	29	9 115	414	35
1984	152	65	217	2584		130	67	197	1367	6	6	12	26	28	8 138	426	39
1985	79	51	130	2378		130	56	186	1699	4	9	13	36	21	3 116	329	41
1986	105	30	135	2398		109	42	151	1861	3	5	8	22	21	7 77	294	42
1987	88	40	128	2630		121	54	175	2144	5	9	14	24	21	4 103	317	47
1988	82	58	140	3417		96	52	148	2102	3	7	10	47	18		298	55
1989	89	45	134	3445		92	62	154	1932	5	1	6	42	18	6 108	294	54
1990	69	41		3155	ł	86	49	135	1716	1	5	6	27	15		251	48

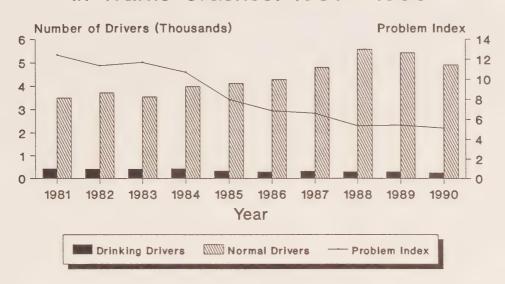
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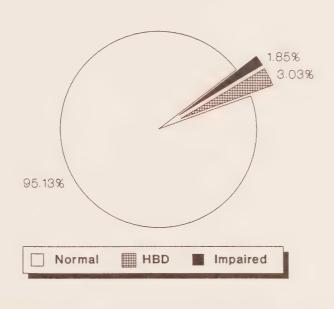
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WELLINGTON

Drinking and Normal Drivers in Traffic Crashes: 1981 - 1990











For 1991 issue see: CRI microfiche

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